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FILE 'REGISTRY' ENTERED AT 11:19:02 ON 13 APR 2012
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STRUCTURE FILE UPDATES:   12 APR 2012  HIGHEST RN 1367421-69-9
DICTIONARY FILE UPDATES:  12 APR 2012  HIGHEST RN 1367421-69-9

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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que l38
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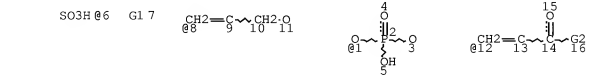


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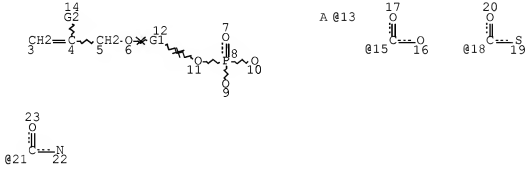

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STEREO ATTRIBUTES: NONE
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)/PRY,AY,PY

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YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:n


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FILE 'HCAPLUS' ENTERED AT 11:19:19 ON 13 APR 2012
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 13 Apr 2012  VOL 156 ISS 17
FILE LAST UPDATED: 12 Apr 2012  (20120412/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Dec 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Dec 2011

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the fourth quarter of 2011.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d l38 1-3 ibib ed abs hitstr hitind

L38  ANSWER 1 OF 3  HCAPLUS  COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER:         2005:568976  HCAPLUS  Full-text
DOCUMENT NUMBER:          143:83603
TITLE:                    One-part self-etching, self-priming dental
                          adhesive composition
INVENTOR(S):              Klee, Joachim E.; Lehmann, Uwe; Walz, Uwe
PATENT ASSIGNEE(S):       Dentsply Detrey GmbH, Germany
SOURCE:                   Eur. Pat. Appl., 30 pp.
                          CODEN: EPXXDW
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     EP 1548021           A1    20050629    EP 2003-29824          20031223
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CA 2551228	A1	20050714	CA 2004-2551228 <--		20041215
WO 2005063778	A1	20050714	WO 2004-EP14307 <--		20041215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
JP 2007520465	T	20070726	JP 2006-545998 <--		20041215
US 20070293642	A1	20071220	US 2007-596747 <--		20070508
PRIORITY APPLN. INFO.:			EP 2003-29824 <--	A	20031223
			WO 2004-EP14307	W	20041215

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

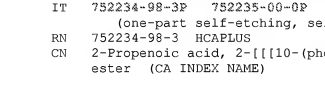
ED Entered STN: 01 Jul 2005

AB One-part self-etching, self-priming dental adhesive compn. having a pH of at most 2 comprises (a) a polymerizable acidic phosphoric acid ester monomer; (b) one or more polymerizable acidic monomers; (c) a polymerizable N-substituted alkylacrylic or acrylic acid amide monomer; (d) an org. and/or inorg. acid; (e) an org. water sol. solvent and/or water; and (f) polymn. initiator, inhibitor and stabilizer. An adhesive polymer was prepd. from 2-acrylamido-2-methyl-propane-sulfonic acid, 3,(4),8,(9)-bis(acrylamido methyl) tricyclo-5.2.1.02,6 decane, Et 2-[13-dihydrogen phosphoryl-13,2-dioxatridecyl]acrylate, and N,N'-bisacrylamido-N,N'-diethyl-1,3-propane.

IT 752234-98-3P 752235-00-0P 855894-56-3P
(one-part self-etching, self-priming dental adhesive compn.)

RN 752234-98-3 HCAPLUS

CN 2-Propenoic acid, 2-[[[10-(phosphonooxy)decyl]oxy]methyl]-, 1-ethyl ester (CA INDEX NAME)



RN 752235-00-0 HCAPLUS

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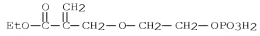

RN 855894-56-3 HCAPLUS
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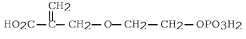

IT 855894-57-4P, 2-Acrylamido-2-methyl-propane-sulfonic acid-3,(4),8,(9)-bis(acrylamido methyl) tricyclo-5.2.1.02,6 decane-Ethyl 2-[13-dihydrogen phosphoryl-13,2-dioxatridecyl]acrylate-N,N'-Bisacrylamido-N,N'-diethyl-1,3-propane copolymer 855894-58-5P
(one-part self-etching, self-priming dental adhesive compn.)
RN 855894-57-4 HCAPLUS
CN 2-Propenoic acid, 2-[[[10-(phosphonooxy)decyl]oxy]methyl]-, 1-ethyl ester, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid, N,N-[[octahydro-4,7-methano-1H-indene-1,5(1,6 or 2,5)diyl]bis(methylene)]bis[2-propenamide] and N,N'-1,3-propanediylbis[N-ethyl-2-propenamide] (CA INDEX NAME)

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CRN 855532-00-2
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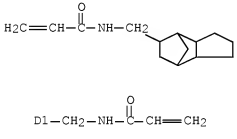
CCI IDS



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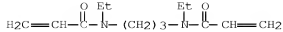

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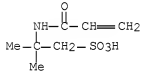

RN 855894-58-5 HCAPLUS
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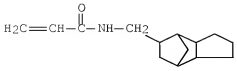

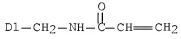

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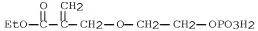

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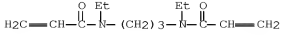

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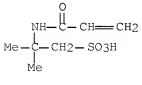


IPCI C07F0009-00 [I,C]; A61K0006-00 [I,C]; A61K0006-02 [I,C]; C08F0030-00

[I,C]; C07F0009-09 [I,A]; A61K0006-00 [I,A]; A61K0006-083 [I,A]; C08F0030-02 [I,A]
IPCR A61K0006-00 [I,A]; A61K0006-083 [I,A]; C07F0009-09 [I,A]; C08F0030-02 [I,A]
CC 63-8 (Pharmaceuticals)
IT 752234-97-2P 752234-98-3P 752234-99-4P
752235-00-0P 855894-56-3P
(one-part self-etching, self-priming dental adhesive compn.)
IT 855894-57-4P, 2-Acrylamido-2-methyl-propane-sulfonic acid-3,(4),8,(9)-bis(acrylamido methyl) tricyclo-5.2.1.02,6 decane-Ethyl 2-[13-dihydrogen phosphoryl-13,2-dioxatridecyl]acrylate-N,N'-Bisacrylamido-N,N'-diethyl-1,3-propane copolymer 855894-58-5P
(one-part self-etching, self-priming dental adhesive compn.)
OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

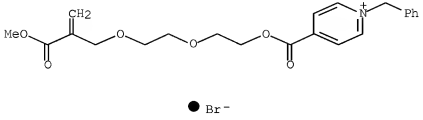
L38 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2005:182218 HCAPLUS Full-text
DOCUMENT NUMBER: 142:287808
TITLE: Lithographic printing plate precursor for direct imaging from a digital data and developing in a printing machine without passing through a development step
INVENTOR(S): Yamasaki, Sumiaki; Makino, Naonori; Inno, Toshifumi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: U.S. Pat. Appl. Publ., 50 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050048398	A1	20050303	US 2004-896070 <--	20040722
US 7183038	B2	20070227		
EP 1500498	A2	20050126	EP 2004-17306 <--	20040722
EP 1500498	A3	20051012		
EP 1500498	B1	20101215		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2005238816	A	20050908	JP 2004-214190 <--	20040722
AT 491968	T	20110115	AT 2004-17306 <--	20040722
PRIORITY APPLN. INFO.:			JP 2003-277448 <--	A 20030722
			JP 2004-652	A 20040105

JP 2004-17599 A 20040126

JP 2004-214190 A 20040722

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 142:287808
ED Entered STN: 04 Mar 2005
GI



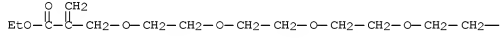
AB A lithog. printing plate precursor is described for recording an image directly from a digital data and development in a printing machine without passing through a development step. The precursor provides lithog. printing plates with improved press life and stain resistance. Thus, the precursor coating compn. comprises an image-forming layer contg. a polymn. initiator and a polymerizable compd., and a hydrophilic support. The compn. includes a compd. contg. at least one functional group interacting with a surface of the hydrophilic support . This compd. is one of a phosphonic acid and a phosphoric acid amide.

IT 847226-71-5
(lithog. printing plate precursor for direct imaging from digital data and in-press development)

RN 847226-71-5 HCAPLUS

CN 2-Propenoic acid, 2-(15,15-dihydroxy-15-oxido-2,5,8,11,14-pentaoxa-15-phosphapentadec-1-yl)-, 1-ethyl ester (CA INDEX NAME)

PAGE 1-A



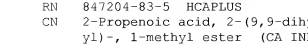
PAGE 1-B

IT 847204-83-5 847204-84-6

(phosphonic deriv.; lithog. printing plate precursor for direct imaging from digital data and in-press development)

RN 847204-83-5 HCAPLUS

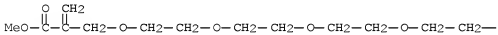
CN 2-Propenoic acid, 2-(9,9-dihydroxy-9-oxido-2,5,8-trioxa-9-phosphanon-1-yl)-, 1-methyl ester (CA INDEX NAME)



RN 847204-84-6 HCAPLUS

CN 2-Propenoic acid, 2-(15,15-dihydroxy-15-oxido-2,5,8,11,14-pentaoxa-15-phosphapentadec-1-yl)-, 1-methyl ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

IC INCL 430270100

IPCI G03C0001-77 [I,A]; G03C0001-91 [I,A]; G03F0007-028 [I,A]; G03F0007-038 [I,A]; G03F0007-09 [I,A]

IPCR G03F0007-027 [I,A]; B41C0001-10 [I,A]; B41N0001-08 [I,A]; B41N0001-14 [I,A]; B41N0003-03 [I,A]; G03F0007-00 [I,A]; G03C0001-77 [I,A]; G03C0001-91 [I,A]; G03F0007-028 [I,A]; G03F0007-038 [I,A]; G03F0007-09 [I,A]

NCL 430/270.100; 430/271.100; 101/456.000; 101/457.000; 101/459.000; 101/467.000; 430/278.100; 430/281.100; 430/302.000; 430/325.000; 430/944.000

CC 74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

IT 847204-87-9 847204-88-0 847204-89-1 847204-90-4 847204-91-5 847226-71-5
(lithog. printing plate precursor for direct imaging from digital data and in-press development)

IT 80730-17-2 223681-84-3 847204-73-3 847204-74-4 847204-75-5 847204-76-6 847204-77-7 847204-78-8 847204-82-4 847204-83-5 847204-84-6 847204-85-7 847232-64-8
(phosphonic deriv.; lithog. printing plate precursor for direct imaging from digital data and in-press development)

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS

RECORD (8 CITINGS)
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2004:732258 HCAPLUS Full-text
DOCUMENT NUMBER: 141:243056
TITLE: Polymerizable phosphoric acid ester derivatives for dental compositions
INVENTOR(S): Klee, Joachim E.; Lehmann, Uwe; Walz, Uwe; Liu, Huaibing
PATENT ASSIGNEE(S): Dentsply Detrey GmbH, Germany
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1454911	A1	20040908	EP 2003-5174 <--	20030307
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CA 2518202	A1	20040916	CA 2004-2518202 <--	20040305
WO 2004078100	A2	20040916	WO 2004-EP2289 <--	20040305
WO 2004078100	A3	20041028		
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EP 1601679	A2	20051207	EP 2004-717576 <--	20040305
EP 1601679	B1	20110511		
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JP 2006520344	T	20060907	JP 2006-504563 <--	20040305
JP 4594297	B2	20101208		
US 20060246017	A1	20061102	US 2006-548362 <--	20060626
PRIORITY APPLN. INFO.:			EP 2003-5174 A <--	20030307
			WO 2004-EP2289 W	20040305

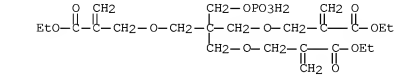
ED Entered STN: 09 Sep 2004

AB The present invention provides a polymerizable phosphoric acid ester deriv. for use in dental compns. E.g., 2,2,2-tris(2,6-dioxa-4-methylene-5-oxo-octyl)ethanol phosphoric acid ester was prepd. from pentaerythritol, Et chloromethylacrylate, and then treatment with the product with POCl3 and hydrolyzed.

IT 752234-96-1P 752234-98-3P 752235-00-0P
(polymerizable phosphoric acid ester derivs. for dental compns.)

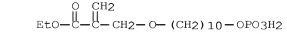
RN 752234-96-1 HCAPLUS

CN 2-Propenoic acid, 2,2'-[[2-[[[2-(ethoxycarbonyl)-2-propenyl]oxy]methyl]-2-[(phosphonooxy)methyl]-1,3-propanediyl]bis(oxymethylene)]bis-, 1,1'-diethyl ester (9CI) (CA INDEX NAME)



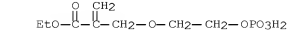
RN 752234-98-3 HCAPLUS

CN 2-Propenoic acid, 2-[[[10-(phosphonooxy)decyl]oxy]methyl]-, 1-ethyl ester (CA INDEX NAME)



RN 752235-00-0 HCAPLUS

CN 2-Propenoic acid, 2-[[2-(phosphonooxy)ethoxy]methyl]-, 1-ethyl ester (CA INDEX NAME)



IPCI C07F0009-09 [ICM,7]; A61K0006-08 [ICS,7]; C08F0030-02 [ICS,7]

IPCR A61K0006-00 [I,A]; A61K0006-08 [I,A]; A61K0006-083 [I,A]; C07F0009-09 [I,A]; C08F0030-02 [I,A]

CC 23-17 (Aliphatic Compounds)
Section cross-reference(s): 63

IT 752234-96-1P 752234-98-3P 752235-00-0P
(polymerizable phosphoric acid ester derivs. for dental compns.)

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

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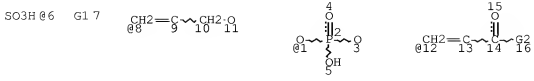


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DEFAULT ECLEVEL IS LIMITED

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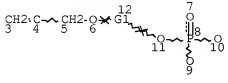


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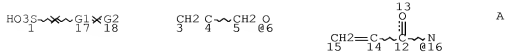

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DEFAULT ECLEVEL IS LIMITED

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STEREO ATTRIBUTES: NONE

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L22 400 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L12
L23 13991 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L18
L27 37 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L22 AND L23
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)/PRY,AY,PY
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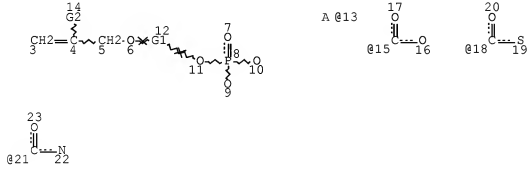

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DEFAULT ECLEVEL IS LIMITED

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=> d l39 1-19 ibib ed abs hitstr hitind

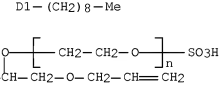
L39  ANSWER 1 OF 19  HCAPLUS  COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER:         2005:33579  HCAPLUS  Full-text
DOCUMENT NUMBER:          142:115528
TITLE:                    Ethylene-vinyl acetate copolymer emulsions, their
                          manufacture, and adhesive compositions thereof
                          with balanced heat resistance and low-temperature
                          properties
INVENTOR(S):              Yako, Manabu; Yamamoto, Hiroki
PATENT ASSIGNEE(S):       Denki Kagaku Kogyo Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 13 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     --------------      ----   --------    -------------------    --------
     JP 2005008718        A     20050113    JP 2003-172880         20030618
                                                    <--
     JP 4041534           B2    20080130
PRIORITY APPLN. INFO.:                      JP 2003-172880         20030618
                                                    <--
OTHER SOURCE(S):          MARPAT 142:115528
ED   Entered STN:  14 Jan 2005
AB   The emulsions have av. particle size .gtoreq.3 .mu.m and nonvolatile fraction
     .gtoreq.70% and are manufd. by using 0.2-3.0 parts/100 parts vinyl acetate (I) of
     reactive surfactants having structures H2C:CHCH2OCOCH(SO3Na)CH2CO2R (R = H,
     alkyl), H2C:CHCH2OCH2CH(CH2OC6H4R)(OCH2CH2)nOX (n = 1-50; X = H, SO3NH4; R = C5-12
     alkyl), or [H2C:CHCH2O(CH2CH2MeO)n]mP(O)(OH)3-m (n = 1-50; m = 1-2) and 0.5-4.0
     parts/100 parts I of vinyl alc. polymer (PVA) with sapon. degree 60-85 mol% and
     av. d.p. 100-500 as emulsifiers in polymn.  Thus, 70 parts I and 25 parts ethylene
     were polymd. in an aq. soln. contg. 3 parts PVA (UMR 10H; sapon. degree 80 mol%,
     d.p. 400), 1 part sulfosuccinate-type reactive emulsifier (Eleminol JS 2), nonionic
     surfactants (Emulgen 913, Emulgen 950), NaOAc, Rongalit, FeSO4.7H2O, EDTA.4Na, and
     ammonium persulfate, then 30 parts I was added dropwise to the soln. and polymd.
     to give an EVA emulsion showing nonvolatile fraction 71.1%, av. particle size 5.1
     .mu.m, viscosity 1800 mPa-s at 30.degree. and 30 rpm, and PhMe-insol. fraction 42%.
IT   820213-85-2P
       (manuf. of ethylene-vinyl acetate polymer emulsions by using
       reactive emulsifier and poly(vinyl alc.) for cold- and
       heat-resistant adhesives)
RN   820213-85-2  HCAPLUS
```

CN Acetic acid ethenyl ester, polymer with ethene and .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

CM 1

CRN 113405-85-9
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



CM 2

CRN 108-05-4
CMF C4 H6 O2

CM 3

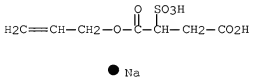
CRN 74-85-1
CMF C2 H4

IT 86271-46-7, Allyl sodium sulfosuccinate
220308-52-1, Polypropylene glycol monoallyl ether, phosphate

(reactive emulsifier; manuf. of ethylene-vinyl acetate polymer emulsions by using reactive emulsifier and poly(vinyl alc.) for cold- and heat-resistant adhesives)

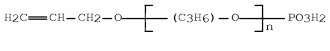
RN 86271-46-7 HCAPLUS

CN Butanedioic acid, 2-sulfo-, 1-(2-propen-1-yl) ester, sodium salt (1:1) (CA INDEX NAME)



RN 220308-52-1 HCAPLUS

CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-phosphono-.omega.-(2-propen-1-yloxy)- (CA INDEX NAME)



IPCI C08F0210-00 [I,A]; C08F0218-08 [I,A]; C08F0002-24 [I,A]; C09J0131-04 [I,A]; C09J0011-08 [I,A]

IPCR C08F0002-24 [I,A]; C08F0010-00 [I,A]; C09J0011-08 [I,A]; C09J0131-04 [I,A]; C08F0210-00 [I,A]; C08F0218-08 [I,A]

CC 38-3 (Plastics Fabrication and Uses)

IT 820213-84-1P, Eleminol JS 2-ethylene-vinyl acetate copolymer 820213-85-2P 820233-84-9P

(manuf. of ethylene-vinyl acetate polymer emulsions by using reactive emulsifier and poly(vinyl alc.) for cold- and heat-resistant adhesives)

IT 86271-46-7, Allyl sodium sulfosuccinate

220308-52-1, Polypropylene glycol monoallyl ether, phosphate

(reactive emulsifier; manuf. of ethylene-vinyl acetate polymer emulsions by using reactive emulsifier and poly(vinyl alc.) for cold- and heat-resistant adhesives)

L39 ANSWER 2 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 2004:856797 HCAPLUS Full-text

DOCUMENT NUMBER: 141:350862

TITLE: Reactive liquid polymer crosslinking agent and process for preparation

INVENTOR(S): Lazar, Warren G.; Clark, James A.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U.S. Ser. No. 13,164, abandoned.
CODEN: USXXCO

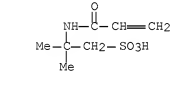
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

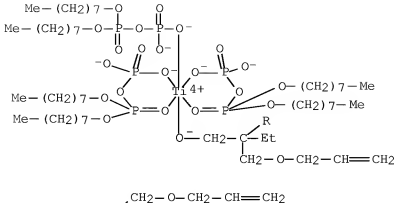
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040200993	A1	20041014	US 2004-833816 <--	20040427
US 20030168629	A1	20030911	US 2001-13164 <--	20011210
PRIORITY APPLN. INFO.:			US 2001-13164 <--	B2 20011210

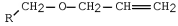
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 18 Oct 2004
AB A reactive liq. crosslinking agent for use in the prepn. of polymeric substances. The crosslinking agent comprises a substituted 1,3,5-triazine reacted with H2O, an acid alkyl sulfonate and/or phosphonate and a solidifying modifier contg. an hydroxyl functional group to form a substituted 1,3,5-triazine hydrate. The reactive liq. polymer crosslinking agent has a solids content between 20-99% solids. The reactive liq. crosslinking agents (RLPC's) are useful as modifiers in the prepn. of polymeric compds. which are suitable for 1-component self-crosslinking adhesives, coatings and polymers used in optics, textiles, composites, casting and molding. RLPC systems contg. from 1-30% RLPC provide fast single package thermosetting polymeric compds. with enhanced properties such as chem., heat and abrasion resistance.
IT 15214-89-8D, 2-Acrylamido-2-methylpropanesulfonic acid, reaction products with triazine and polyethylene glycol
111083-74-0D, reaction products with triazine and diol
(reactive liq. polymer crosslinking agent)
RN 15214-89-8 HCAPLUS
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]- (CA INDEX NAME)



RN 111083-74-0 HCAPLUS
CN Titanate(3-), [2,2-bis[(2-propen-1-yloxy)methyl]-1-butanolato-.kappa.O][P,P-dioctyl diphosphato(2-)-.kappa.O'']bis[P,P-dioctyl diphosphato(2-)-.kappa.O'',.kappa.O''']-, hydrogen (1:3) (CA INDEX NAME)

PAGE 1-A





PAGE 2-A

INCL 252182130
IPCI C09K0003-00 [ICM,7]
IPCR C08F0008-30 [I,A]; C09D0167-00 [I,A]; C09J0167-00 [I,A]
NCL 252/182.130
CC 37-6 (Plastics Manufacture and Processing)
IT 57-50-1D, Sucrose, alkylglycosides, reaction products with triazine and sulfonylzirconate 98-11-3D, Phenylsulfonic acid, reaction products with triazine and diethylene glycol 107-21-1D, Ethylene glycol, reaction products with triazine and sulfonyltitanate 108-78-1D, 2,4,6-Triamino-1,3,5-triazine, reaction products with phenylphosphoric acid 110-63-4D, 1,4-Butanediol, reaction products with triazine and phosphatotitanate 111-46-6D, Diethylene glycol, reaction products with phenylsulfonic acid and triazine 504-63-2D, 1,3-Propylene glycol, reaction products with triazine and sulfonate 629-11-8D, 1,6-Hexanediol, reaction products with triazine and phosphatotitanate 1571-33-1D, Phenylphosphonic acid, reaction products with triazine 5606-17-7D, reaction products with sulfonate and propylene glycol 5606-19-9D, reaction products with polypropylene glycol and sulfate ester 15214-89-8D, 2-Acrylamido-2-methylpropanesulfonic acid, reaction products with triazine and polyethylene glycol 25322-68-3D, Polyethylene glycol, reaction products with triazine and sulfonate 25322-69-4D, Polypropylene glycol, reaction products with triazine and sulfate ester 89619-91-0D, reaction products with alkylglycosides and sulfonylzirconate 103406-74-2D, reaction products with triazine and ethylene glycol 109766-35-0D, reaction products with triazine and alkylglycosides 111083-74-0D, reaction products with triazine and diol 544651-50-5D, reaction products with sulfonate and polyethylene glycol 544651-51-6D, reaction products with phosphate

ester and polyethylene glycol 544651-52-7D, reaction products with phosphotitanate and diol
(reactive liq. polymer crosslinking agent)

L39 ANSWER 3 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2004:467829 HCAPLUS Full-text
DOCUMENT NUMBER: 141:27260
TITLE: Defoaming agent for cementitious composition
INVENTOR(S): Lorenz, Klaus; Yaguchi, Minoru; Sugiyama, Tomomi; Albrecht, Gerhard
PATENT ASSIGNEE(S): Die Construction Research & Technology G.m.b.H., Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004048293	A1	20040610	WO 2002-EP13328 <--	20021125
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2506950	A1	20040610	CA 2002-2506950 <--	20021125
CA 2506950	C	20100601		
AU 2002365282	A1	20040618	AU 2002-365282 <--	20021125
EP 1565416	A1	20050824	EP 2002-808177 <--	20021125
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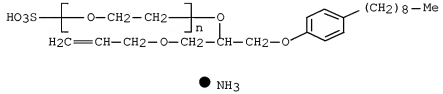
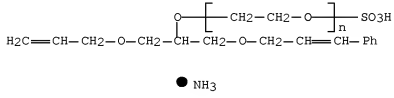
US 20060148976	A1	20060706	US 2006-534606 <--	20060222
US 7662882	B2	20100216		
PRIORITY APPLN. INFO.:			WO 2002-EP13328 W <--	20021125

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 10 Jun 2004
AB A defoaming agent, for cementitious compns., has an excellent defoaming performance and does not segregate when mixed with a high performance air entraining AE water-reducing agent to form a single admixt. or when dild. in H2O at the desired concn., and which has excellent long term storage properties. The defoaming agent is obtained by mixing .gtoreq.1 polyethylene oxide deriv. and a nonionic defoaming agent, where the polyethylene oxide deriv. has at one end a hydrophobic group with a branched structure and/or an unsatd. bond and at the other end an anionic group.

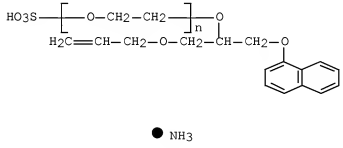
IT 136931-77-6P 478019-97-5P 478019-98-6P
478020-00-7P 478020-01-8P 478020-02-9P
(antifoaming agents for cement compns. contg. nonionic antifoaming agents and polyethylene oxide derivs.)
RN 136931-77-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]-, ammonium salt (1:1) (CA INDEX NAME)



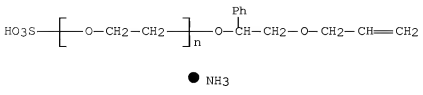
RN 478019-97-5 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(3-phenyl-2-propenyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



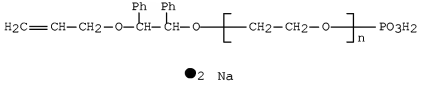
RN 478019-98-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(1-naphthalenyloxy)methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



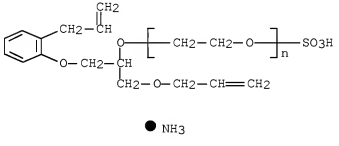
RN 478020-00-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-phenyl-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



RN 478020-01-8 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1,2-diphenyl-2-(2-propenyloxy)ethoxy]-, disodium salt (9CI) (CA INDEX NAME)



RN 478020-02-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(2-propenyl)phenoxy]ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



IPCI C04B0040-00 [ICM,7]; C04B0024-32 [ICS,7]; C04B0024-16 [ICS,7]
IPCR C04B0024-16 [I,A]; C04B0024-24 [I,A]; C04B0024-32 [I,A]; C04B0040-00 [I,A]
CC 58-1 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 38

IT 31691-97-1P 59764-60-2P 136931-77-6P 171407-73-1P
478019-97-5P 478019-98-6P 478019-99-7P
478020-00-7P 478020-01-8P 478020-02-9P
478020-04-1P
(antifoaming agents for cement compns. contg. nonionic antifoaming agents and polyethylene oxide derivs.)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 4 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2003:472494 HCAPLUS Full-text
DOCUMENT NUMBER: 139:53794
TITLE: Reactive liquid polymer crosslinking agent and preparation
INVENTOR(S): Lazar, Warren G.; Clark, James A.
PATENT ASSIGNEE(S): LCB Worldwide Inc., USA
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003050094	A1	20030619	WO 2002-US38058 <--	20021126
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20030168629	A1	20030911	US 2001-13164 <--	20011210
AU 2002366570	A1	20030623	AU 2002-366570 <--	20021126
PRIORITY APPLN. INFO.:			US 2001-13164 A <--	20011210
			WO 2002-US38058 W <--	20021126

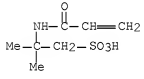
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 20 Jun 2003
AB A reactive liq. crosslinking agent for use in the prepn. of polymeric substances. The crosslinking agent comprises a substituted (e.g. butylated) 1,3,5-triazine reacted with H2O, an acid alkyl sulfonate and/or phosphonate and a solidifying modifier contg. an hydroxyl functional group. The reactive liq. polymer crosslinking agent has a solids content 20-99% solids. The reactive liq. crosslinking agents (RLPC's) are useful as modifiers in the prepn. of polymeric compds. which are suitable for 1-component self-crosslinking adhesives, coatings and polymers used in optics, textiles, composites, casting and molding. Systems

contg. 1-30% RLPC provide fast single package thermosetting polymeric compds. with enhanced properties such as chem., heat and abrasion resistance.

IT 15214-89-8D, 2-Acrylamido-2-methylpropanesulfonic acid, reaction products with triazine and polyethylene glycol
111083-74-0D, reaction products with triazine and diol
(reactive liq. polymer crosslinking agent reaction product of substituted triazine, water, sulfonate or phosphonate, and hydroxy compd.)

RN 15214-89-8 HCAPLUS

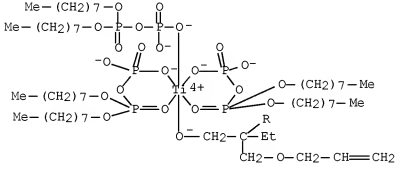
CN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]- (CA INDEX NAME)

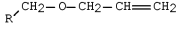


RN 111083-74-0 HCAPLUS

CN Titanate(3-), [2,2-bis[(2-propen-1-yloxy)methyl]-1-butanolato-.kappa.O][P,P-dioctyl diphosphato(2-)-.kappa.O'']bis[P,P-dioctyl diphosphato(2-)-.kappa.O'',.kappa.O'''']-, hydrogen (1:3) (CA INDEX NAME)

PAGE 1-A





PAGE 2-A

3 H+

IPCI C07D0251-54 [ICM,7]; C07D0251-66 [ICS,7]; C09K0003-00 [ICS,7]
IPCR C08F0008-30 [I,A]; C09D0167-00 [I,A]; C09J0167-00 [I,A]
CC 37-6 (Plastics Manufacture and Processing)
IT 57-50-1D, Sucrose, alkylglycosides, reaction products with triazine and sulfonylzirconate 98-11-3D, Phenylsulfonic acid, reaction products with triazine and diethylene glycol 107-21-1D, Ethylene glycol, reaction products with triazine and sulfonyltitanate 108-78-1D, 2,4,6-Triamino-1,3,5-triazine, reaction products with phenylphosphoric acid 110-63-4D, Butane-1,4-diol, reaction products with triazine and phosphatotitanate 111-46-6D, Diethylene glycol, reaction products with phenylsulfonic acid and triazine 504-63-2D, 1,3-Propylene glycol, reaction products with triazine and sulfonate 629-11-8D, Hexane-1,6-diol, reaction products with triazine and phosphatotitanate 1571-33-1D, Phenylphosphonic acid, reaction products with triazine 5606-17-7D, reaction products with sulfonate and propylene glycol 5606-19-9D, reaction products with polypropylene glycol and sulfate ester 15214-89-8D, 2-Acrylamido-2-methylpropanesulfonic acid, reaction products with triazine and polyethylene glycol 25322-68-3D, Polyethylene glycol, reaction products with triazine and sulfonate 25322-69-4D, Polypropylene glycol, reaction products with triazine and sulfate ester 89619-91-0D, reaction products with alkylglycosides and sulfonylzirconate 103406-74-2D, reaction products with triazine and ethylene glycol 109766-35-0D, reaction products with triazine and alkylglycosides 111083-74-0D, reaction products with triazine and diol 544651-50-5D, reaction products with sulfonate and polyethylene glycol 544651-51-6D, reaction products with phosphate ester and polyethylene glycol 544651-52-7D, reaction products with phosphotitanate and diol
(reactive liq. polymer crosslinking agent reaction product of substituted triazine, water, sulfonate or phosphonate, and hydroxy compd.)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 5 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2003:222046 HCAPLUS Full-text
DOCUMENT NUMBER: 138:260046
TITLE: Method for controlling scale formation and deposition in aqueous systems
INVENTOR(S): Buentello, Kristin E.; Kessler, Stephen M.; May, Roger C.; Kaechelin, Julie A.; Chen, Fu; Kolson, Natalie A.
PATENT ASSIGNEE(S): Betzdearborn Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S. 6,444,747.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20030052303	A1	20030320	US 2001-878646	20010611

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US 6641754 B2 20031104
US 6444747 B1 20020903 US 2001-808679 20010315
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CA 2440435 A1 20021010 CA 2002-2440435 20020301
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CA 2440435 C 20100608
WO 2002079106 A1 20021010 WO 2002-US6370 20020301
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002314719 A1 20021015 AU 2002-314719 20020301
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AU 2002314719 B2 20070426
EP 1379475 A1 20040114 EP 2002-741643 20020301
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EP 1379475 B1 20090708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

HU 2003003535 A2 20040128 HU 2003-3535 20020301
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HU 2003003535 A3 20080328
BR 2002008127 A 20040323 BR 2002-8127 20020301
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CN 1496338 A 20040512 CN 2002-806631 20020301
<--

CN 1262489 C 20060705
JP 2004528439 T 20040916 JP 2002-577740 20020301
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NZ 528038 A 20050527 NZ 2002-528038 20020301
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AT 435839 T 20090715 AT 2002-741643 20020301
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PT 1379475 E 20090901 PT 2002-741643 20020301
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ES 2326960 T3 20091022 ES 2002-741643 20020301
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PL 204918 B1 20100226 PL 2002-363968 20020301
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TW 300060 B 20080821 TW 2002-104266 20020307
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IN 2003KN00910 A 20050708 IN 2003-KN910 20030715
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US 20040039144 A1 20040226 US 2003-646278 20030822
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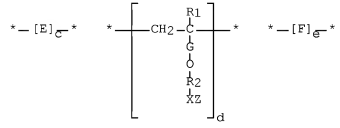
US 7094852 B2 20060822
KR 904789 B1 20090625 KR 2003-7011900 20030909
<--

NO 2003004049	A	20031104	NO 2003-4049 <--		20030912
MX 2003008342	A	20041015	MX 2003-8342 <--		20030912
AU 2007202743	A1	20070705	AU 2007-202743 <--		20070613
AU 2007202743	B2	20081120			
PRIORITY APPLN. INFO.:			US 2001-808679 <--	A2	20010315
			US 2001-806679 <--	A	20010315
			US 2001-878646 <--	A	20010611
			AU 2002-314719 <--	A3	20020301
			WO 2002-US6370 <--	W	20020301

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 21 Mar 2003
GI



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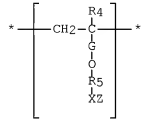


II

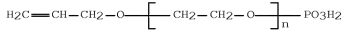
AB A method for inhibiting the formation and deposition of scale forming moieties in aq. systems by adding water-sol. or water-dispersible polymers is disclosed. The method comprises adding to an aq. system a polymer having repeat units characterized by I, wherein E is the repeat unit remaining after polymn. of an ethylenically unsatd. compd.; preferably, a carboxylic acid, sulfonic acid, phosphonic acid, or amide form thereof or mixts. thereof, R1 is H or lower (C1-C4) alkyl, G is -CH2- or -CHCH3-; R2 is CH2-CH2-On or CH2-CHCH3-n where n ranges from about 1 to 100, preferably about 1 to 20, X is an anionic radical selected from the group consisting

of SO3, PO3, or COO; Z is H or hydrogens or any water sol. cationic moiety which counterbalances the valence of the anionic radical X, including but not limited to Na, K, Ca, or NH4, F, when present, is a repeat unit having the structure of II, wherein X and Z are the same as in Formula I. R4 is H or lower (C1-C4) alkyl, R5 is hydroxy substituted alkyl or alkylene having from about 1 to 6 of carbon atoms.

IT 171439-08-0P 330666-77-8P 452311-66-9P
452311-67-0P 452311-68-1P 452311-69-2P
452311-70-5P 502546-09-0P, Acrylic acid-ethylene oxide-allyloxy-2-hydroxypropane-3-sulfonic acid graft terpolymer, ammonium sulfate 502546-11-4P
(method for controlling scale formation and deposition in aq. systems)

RN 171439-08-0 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-(2-propen-1-yloxy)- (CA INDEX NAME)

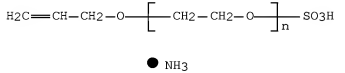


RN 330666-77-8 HCAPLUS

CN 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

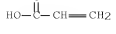
CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 2

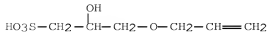
CRN 79-10-7
CMF C3 H4 O2



RN 452311-66-9 HCAPLUS
CN 2-Propenoic acid, polymer with
2-hydroxy-3-(2-propen-1-yloxy)-1-propanesulfonic acid and
.alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl)
ammonium salt (1:1) (CA INDEX NAME)

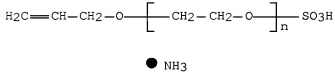
CM 1

CRN 94928-31-1
CMF C6 H12 O5 S



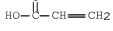
CM 2

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 3

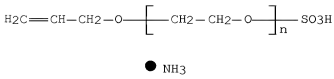
CRN 79-10-7
CMF C3 H4 O2



RN 452311-67-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 2-propenoic acid and
.alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl)
ammonium salt (1:1) (CA INDEX NAME)

CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS

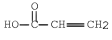


CM 2

CRN 79-41-4
CMF C4 H6 O2

CM 3

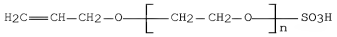
CRN 79-10-7
CMF C3 H4 O2



RN 452311-68-1 HCAPLUS
CN 2-Propenoic acid, polymer with
2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and
.alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl)
ammonium salt (1:1) (CA INDEX NAME)

CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 2

CRN 15214-89-8
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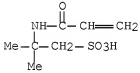
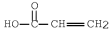


CM 3

CRN 79-10-7
CMF C3 H4 O2



RN 452311-69-2 HCAPLUS
CN 2-Propenoic acid, polymer with
.alpha.-phosphono-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl)
(9CI) (CA INDEX NAME)

CM 1

CRN 171439-08-0
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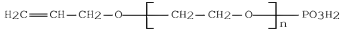
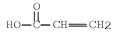
CCI PMS



CM 2

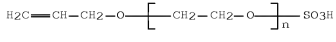
CRN 79-10-7
CMF C3 H4 O2



RN 452311-70-5 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) (CA INDEX NAME)

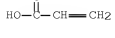
CM 1

CRN 201605-73-4
CMF (C2 H4 O)n C3 H6 O4 S
CCI PMS



CM 2

CRN 79-10-7
CMF C3 H4 O2



RN 502546-09-0 HCAPLUS
CN 2-Propenoic acid, polymer with 2-hydroxy-3-(2-propenyloxy)-1-propanesulfonic acid and oxirane, hydrogen sulfate, graft, ammonium salt (9CI) (CA INDEX NAME)

CM 1

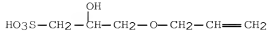
CRN 7664-93-9
CMF H2 O4 S

CM 2

CRN 502546-08-9
CMF (C6 H12 O5 S . C3 H4 O2 . C2 H4 O)x
CCI PMS

CM 3

CRN 94928-31-1
CMF C6 H12 O5 S



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CRN 79-10-7
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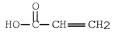


CM 5

CRN 75-21-8
CMF C2 H4 O

RN 502546-11-4 HCAPLUS
CN 2-Propenoic acid, polymer with

2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and oxirane, hydrogen sulfate (ester), graft, ammonium salt (9CI) (CA INDEX NAME)

CM 1

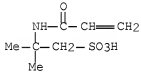
CRN 7664-93-9
CMF H2 O4 S

CM 2

CRN 164578-98-7
CMF (C7 H13 N O4 S . C3 H4 O2 . C2 H4 O)x
CCI PMS

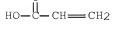
CM 3

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 4

CRN 79-10-7
CMF C3 H4 O2



CM 5

CRN 75-21-8
CMF C2 H4 O

INCL 252175000
IPCI C02F0005-02 [ICM,7]
IPCR F25D0017-02 [I,A]; C02F0005-00 [I,A]; C02F0005-10 [I,A]; C02F0005-12 [I,A]; C02F0005-14 [I,A]; C08F0216-14 [I,A]; C23F0011-16 [I,A]; C23F0011-167 [I,A]
NCL 252/175.000; 252/180.000; 252/181.000; 524/807.000; 526/287.000
CC 61-8 (Water)
IT 171439-08-0P 330666-77-8P 452311-66-9P 452311-67-0P 452311-68-1P 452311-69-2P 452311-70-5P 502546-07-8P, Acrylic acid-ethylene oxide graft copolymer, ammonium sulfate 502546-09-0P, Acrylic acid-ethylene oxide-allyloxy-2-hydroxypropane-3-sulfonic acid graft terpolymer, ammonium sulfate 502546-11-4P 502546-12-5P 502546-13-6P
(method for controlling scale formation and deposition in aq. systems)
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L39 ANSWER 6 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2002:945818 HCAPLUS Full-text
DOCUMENT NUMBER: 138:28220
TITLE: Antifoaming agents for cement compositions showing segregation resistance when being mixed with high-performance air entraining water reducing agents or water
INVENTOR(S): Lorentz, Claus; Yaguchi, Minoru; Sugiyama, Tomomi; Albrecht, Gerhard
PATENT ASSIGNEE(S): NMB K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002356356	A	20021213	JP 2001-164388 <--	20010531
PRIORITY APPLN. INFO.:			JP 2001-164388 <--	20010531

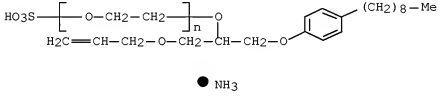
ED Entered STN: 13 Dec 2002

AB The antifoaming agents contain nonionic antifoaming agents and polyethylene oxide derivs. having one anionic terminals and branched and/or unsatd. hydrophobic terminals on the other end.

IT 136931-77-6P 478019-97-5P 478019-98-6P
478020-00-7P 478020-01-8P 478020-02-9P
(antifoaming agents for cement compns. contg. nonionic antifoaming agents and polyethylene oxide derivs.)

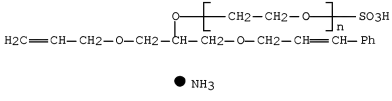
RN 136931-77-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]-, ammonium salt (1:1) (CA INDEX NAME)



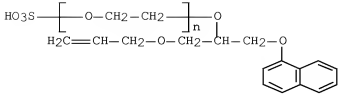
RN 478019-97-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(3-phenyl-2-propenyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



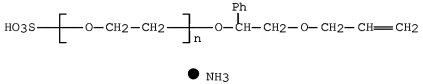
RN 478019-98-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(1-naphthalenyloxy)methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



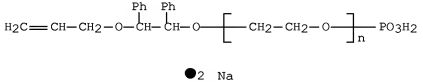
● NH_3

RN 478020-00-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-phenyl-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



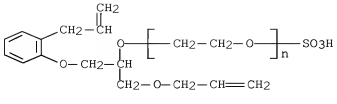
● NH_3

RN 478020-01-8 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1,2-diphenyl-2-(2-propenyloxy)ethoxy]-, disodium salt (9CI) (CA INDEX NAME)



●2 Na

RN 478020-02-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(2-propenyl)phenoxy]ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



IPCI C04B0024-28 [ICM,7]; B01D0019-04 [ICS,7]; C04B0024-32 [ICS,7]; C08G0065-338 [ICS,7]; C04B0103-50 [ICS,7]
IPCR B01D0019-04 [I,A]; C04B0024-28 [I,A]; C04B0024-32 [I,A]; C04B0103-50 [N,A]; C08G0065-338 [I,A]
CC 58-1 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 38
IT 31691-97-1P 59764-60-2P 136931-77-6P 171407-73-1P
478019-97-5P 478019-98-6P 478019-99-7P
478020-00-7P 478020-01-8P 478020-02-9P
478020-04-1P
(antifoaming agents for cement compns. contg. nonionic antifoaming agents and polyethylene oxide derivs.)

L39 ANSWER 7 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2002:777854 HCAPLUS Full-text
DOCUMENT NUMBER: 137:299503
TITLE: Method for controlling scale formation and deposition in aqueous systems
INVENTOR(S): Chen, Fu; Kolson, Natalie A.; Buentello, Kristin E.; Kaechelin, Julie A.; Kessler, Stephen M.; May, Roger C.
PATENT ASSIGNEE(S): Betzdearborn Inc., USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002079106	A1	20021010	WO 2002-US6370 <--	20020301

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 6444747	B1	20020903	US 2001-808679 <--		20010315
US 20030052303	A1	20030320	US 2001-878646 <--		20010611
US 6641754	B2	20031104			
CA 2440435	A1	20021010	CA 2002-2440435 <--		20020301
CA 2440435	C	20100608			
AU 2002314719	A1	20021015	AU 2002-314719 <--		20020301
AU 2002314719	B2	20070426			
EP 1379475	A1	20040114	EP 2002-741643 <--		20020301
EP 1379475	B1	20090708			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
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HU 2003003535	A3	20080328			
BR 2002008127	A	20040323	BR 2002-8127 <--		20020301
JP 2004528439	T	20040916	JP 2002-577740 <--		20020301
NZ 528038	A	20050527	NZ 2002-528038 <--		20020301
AT 435839	T	20090715	AT 2002-741643 <--		20020301
IN 2003KN00910	A	20050708	IN 2003-KN910 <--		20030715
KR 904789	B1	20090625	KR 2003-7011900 <--		20030909
NO 2003004049	A	20031104	NO 2003-4049 <--		20030912
MX 2003008342	A	20041015	MX 2003-8342 <--		20030912
AU 2007202743	A1	20070705	AU 2007-202743 <--		20070613
AU 2007202743	B2	20081120			
PRIORITY APPLN. INFO.:			US 2001-806679 <--	A	20010315
			US 2001-808679 <--	A	20010315
			US 2001-878646 <--	A	20010611
			AU 2002-314719 <--	A3	20020301
			WO 2002-US6370 <--	W	20020301

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 11 Oct 2002

AB A water sol. or water dispersible polymer compn., useful as scale and/or corrosion inhibitors in aq. systems has the formula [E]c[CH2CR1(GOR2XZ)]d[F]e wherein E is the repeating unit remaining after polymn. of an ethylenically unsatd. compd., preferably, a carboxylic acid, sulfonic acid, phosphonic acid, or amide form thereof or mixts. thereof; R1 is H or lower C1-4 alkyl; G is CH2 or CHMe; R2 is (CH2CH2O)n or (CH2CHMeO)m where n and m range from about 1 to 100, preferably n

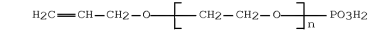
is greater than 10 and m ranges from about 1 to 20; X is an anionic radical selected from the group consisting of SO3, PO3, or CO2; Z is H or hydrogens or any water sol. cationic moiety which counterbalances the valence of the anionic radical X, including but not limited to Na, K, Ca, or NH4; F, when present, is a repeating unit having the structure of formula [CH2CR4(CH2OR5XZ)] wherein X and Z are the same as above, R4 is H or a lower C1-4 alkyl, and R5 is a hydroxy-substituted alkyl or alkylene having from about 1 to 6 carbon atoms. This water sol. or water dispersible polymer compn. is useful: as scale deposit control and corrosion inhibition agents in water treatment or gas scrubbing processes, in pulp and paper manufg. processes, in pretreating of metals; as rheol. modifiers for concrete and cement additives; as cleaning agents for membranes; and as hydrophilic modifier components in personal care, cosmetic and pharmaceutical formulations.

IT 171439-08-0P, Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-(2-propenyloxy)- 330666-77-8P, 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-66-9P, 2-Propenoic acid, polymer with 2-hydroxy-3-(2-propenyloxy)-1-propanesulfonic acid and .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-67-0P, 2-Propenoic acid, 2-methyl-, polymer with 2-propenoic acid and .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-68-1P, 2-Propenoic acid, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-69-2P, 2-Propenoic acid, polymer with .alpha.-phosphono-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) 452311-70-5P, 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) 452311-71-6P

(water sol. or water dispersible polymers as scale and/or corrosion inhibitors in aq. systems)

RN 171439-08-0 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-(2-propen-1-yloxy)- (CA INDEX NAME)



RN 330666-77-8 HCAPLUS

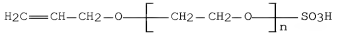
CN 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

CM 1

CRN 55866-85-8

CMF (C2 H4 O)n C3 H6 O4 S . H3 N

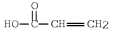
CCI PMS



● NH_3

CM 2

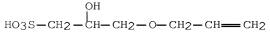
CRN 79-10-7
CMF C3 H4 O2



RN 452311-66-9 HCAPLUS
CN 2-Propenoic acid, polymer with
2-hydroxy-3-(2-propen-1-yloxy)-1-propanesulfonic acid and
.alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl)
ammonium salt (1:1) (CA INDEX NAME)

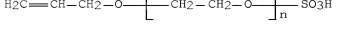
CM 1

CRN 94928-31-1
CMF C6 H12 O5 S



CM 2

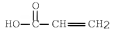
CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



● NH_3

CM 3

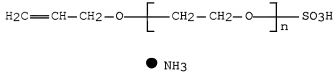
CRN 79-10-7
CMF C3 H4 O2



RN 452311-67-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 2-propenoic acid and .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS

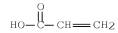


CM 2

CRN 79-41-4
CMF C4 H6 O2

CM 3

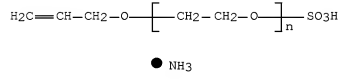
CRN 79-10-7
CMF C3 H4 O2



RN 452311-68-1 HCAPLUS
CN 2-Propenoic acid, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

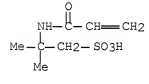
CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



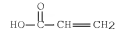
CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 3

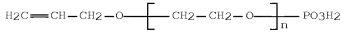
CRN 79-10-7
CMF C3 H4 O2



RN 452311-69-2 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.-phosphono-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

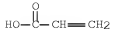
CM 1

CRN 171439-08-0
CMF (C2 H4 O)n C3 H7 O4 P
CCI PMS



CM 2

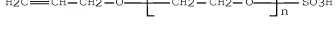
CRN 79-10-7
CMF C3 H4 O2



RN 452311-70-5 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) (CA INDEX NAME)

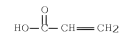
CM 1

CRN 201605-73-4
CMF (C2 H4 O)n C3 H6 O4 S
CCI PMS



CM 2

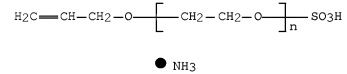
CRN 79-10-7
CMF C3 H4 O2



RN 452311-71-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 2

CRN 79-41-4
CMF C4 H6 O2

IPCI C02F0005-10 [ICM,7]; C08F0216-14 [ICS,7]
IPCR F25D0017-02 [I,A]; C02F0005-00 [I,A]; C02F0005-10 [I,A]; C02F0005-12 [I,A]; C02F0005-14 [I,A]; C08F0216-14 [I,A]; C23F0011-16 [I,A]; C23F0011-167 [I,A]
CC 61-8 (Water)
Section cross-reference(s): 35, 43, 58, 59, 62, 63
IT 171439-08-0P, Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-(2-propenyloxy)- 330666-77-8P, 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-66-9P, 2-Propenoic acid, polymer with 2-hydroxy-3-(2-propenyloxy)-1-propanesulfonic acid and .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-67-0P, 2-Propenoic acid, 2-methyl-, polymer

with 2-propenoic acid and .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-68-1P, 2-Propenoic acid, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt 452311-69-2P, 2-Propenoic acid, polymer with .alpha.-phosphono-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) 452311-70-5P, 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) 452311-71-6P

(water sol. or water dispersible polymers as scale and/or corrosion inhibitors in aq. systems)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 8 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2002:669688 HCAPLUS Full-text
DOCUMENT NUMBER: 137:202027
TITLE: Water soluble polymers
INVENTOR(S): Chen, Fu; Kolson, Natalie A.
PATENT ASSIGNEE(S): Betzdearborn Inc., USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6444747	B1	20020903	US 2001-808679 <--	20010315
US 20030052303	A1	20030320	US 2001-878646 <--	20010611
US 6641754	B2	20031104		
CA 2440435	A1	20021010	CA 2002-2440435 <--	20020301
CA 2440435	C	20100608		
WO 2002079106	A1	20021010	WO 2002-US6370 <--	20020301
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002314719	A1	20021015	AU 2002-314719 <--	20020301
AU 2002314719	B2	20070426		

EP 1379475	A1	20040114	EP 2002-741643 <--		20020301
EP 1379475	B1	20090708			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
HU 2003003535	A2	20040128	HU 2003-3535 <--		20020301
HU 2003003535	A3	20080328			
CN 1496338	A	20040512	CN 2002-806631 <--		20020301
CN 1262489	C	20060705			
JP 2004528439	T	20040916	JP 2002-577740 <--		20020301
NZ 528038	A	20050527	NZ 2002-528038 <--		20020301
AT 435839	T	20090715	AT 2002-741643 <--		20020301
PT 1379475	E	20090901	PT 2002-741643 <--		20020301
ES 2326960	T3	20091022	ES 2002-741643 <--		20020301
PL 204918	B1	20100226	PL 2002-363968 <--		20020301
TW 300060	B	20080821	TW 2002-104266 <--		20020307
IN 2003KN00910	A	20050708	IN 2003-KN910 <--		20030715
US 20040039144	A1	20040226	US 2003-646278 <--		20030822
US 7094852	B2	20060822			
KR 904789	B1	20090625	KR 2003-7011900 <--		20030909
NO 2003004049	A	20031104	NO 2003-4049 <--		20030912
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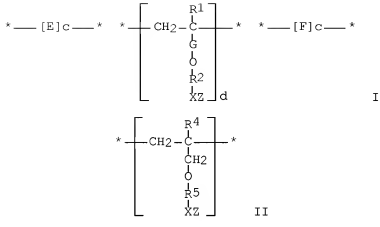
AU 2007202743	B2	20081120			
PRIORITY APPLN. INFO.:			US 2001-806679 <--	A	20010315
			US 2001-808679 <--	A2	20010315
			US 2001-878646 <--	A	20010611
			AU 2002-314719 <--	A3	20020301
			WO 2002-US6370 <--	W	20020301

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 05 Sep 2002
GI



I

II

AB A water sol. or water dispersible polymer compn., useful as deposit control and corrosion inhibition agents in water treatment, pulp and paper manufg. processes, and in pretreating of metals; as rheol. modifiers for concrete and cement additives; as cleaning agents for membranes; and as hydrophilic modifier components in personal care, cosmetic and pharmaceutical formulations, has the repeat units of I: Wherein E is the repeat unit remaining after polymn. of an ethylenically unsatd. compd.; preferably, a carboxylic acid, sulfonic acid, phosphonic acid, or amide thereof or mixts. thereof; R1 is H or C1-C4 alkyl; G is -CH2- or -CHCH3-; R2 is polyoxyethylene or polyoxypropylene where n is 1-100, preferably 1-20; X is an anionic radical selected from the group consisting of SO3, PO3, or CO2; Z is H or hydrogens or any water sol. cationic moiety which counterbalances the valence of the anionic radical X, including but not limited to Na, K, Ca, or NH4; F, when present, is a repeat unit having the structure of II: wherein X and Z are the same as in I; R4 is H or C1-C4 alkyl; R5 is hydroxy substituted alkyl or C1-C6 alkylene.

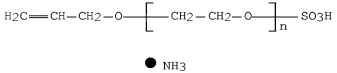
IT 330666-77-8P 452311-66-9P 452311-67-0P
452311-68-1P 452311-69-2P 452311-70-5P
(water sol. polymers)

RN 330666-77-8 HCAPLUS

CN 2-Propenoic acid, polymer with
.alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl)
ammonium salt (1:1) (CA INDEX NAME)

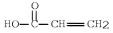
CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 2

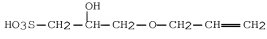
CRN 79-10-7
CMF C3 H4 O2



RN 452311-66-9 HCAPLUS
CN 2-Propenoic acid, polymer with
2-hydroxy-3-(2-propen-1-yloxy)-1-propanesulfonic acid and
.alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl)
ammonium salt (1:1) (CA INDEX NAME)

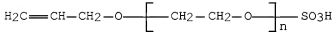
CM 1

CRN 94928-31-1
CMF C6 H12 O5 S



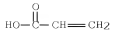
CM 2

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 3

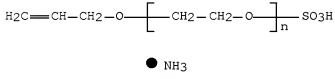
CRN 79-10-7
CMF C3 H4 O2



RN 452311-67-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 2-propenoic acid and .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS

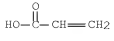


CM 2

CRN 79-41-4
CMF C4 H6 O2

CM 3

CRN 79-10-7
CMF C3 H4 O2

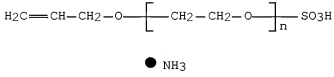


RN 452311-68-1 HCAPLUS

CN 2-Propenoic acid, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

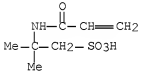
CM 1

CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



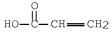
CM 2

CRN 15214-89-8
CMF C7 H13 N O4 S



CM 3

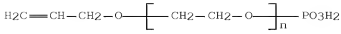
CRN 79-10-7
CMF C3 H4 O2



RN 452311-69-2 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.-phosphono-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

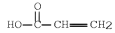
CM 1

CRN 171439-08-0
CMF (C2 H4 O)n C3 H7 O4 P
CCI PMS



CM 2

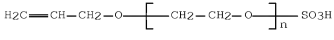
CRN 79-10-7
CMF C3 H4 O2



RN 452311-70-5 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.-sulfo-.omega.-(2-propen-1-yloxy)poly(oxy-1,2-ethanediyl) (CA INDEX NAME)

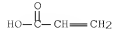
CM 1

CRN 201605-73-4
CMF (C2 H4 O)n C3 H6 O4 S
CCI PMS



CM 2

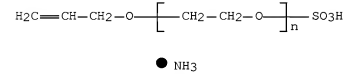
CRN 79-10-7
CMF C3 H4 O2



IT 452311-71-6
(Water sol. polymers)
RN 452311-71-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with .alpha.-sulfo-.omega.-(2-propenyloxy)poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

CM 1

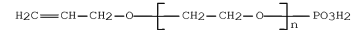
CRN 55866-85-8
CMF (C2 H4 O)n C3 H6 O4 S . H3 N
CCI PMS



CM 2

CRN 79-41-4
CMF C4 H6 O2

IT 171439-08-0P
(Water sol. polymers)
RN 171439-08-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-(2-propen-1-yloxy)- (CA INDEX NAME)



INCL 524807000
IPCI C08L0041-00 [ICM,7]; C08L0043-00 [ICS,7]; C08F0220-04 [ICS,7]; C08F0220-64 [ICS,7]; C08F0228-02 [ICS,7]
IPCR C02F0005-10 [I,A]; C02F0005-12 [I,A]; C02F0005-14 [I,A]; C08F0216-14 [I,A]
NCL 524/807.000; 524/817.000; 524/832.000; 526/287.000; 526/318.410;

526/320.000
CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 43, 58, 62, 63
IT 330666-77-8P 452311-66-9P 452311-67-0P
452311-68-1P 452311-69-2P 452311-70-5P
(water sol. polymers)
IT 452311-71-6
(water sol. polymers)
IT 171439-08-0P
(water sol. polymers)
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 9 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2001:603583 HCAPLUS Full-text
DOCUMENT NUMBER: 135:167504
TITLE: Reactive surfactant compositions and manufacture of polymer emulsions using them
INVENTOR(S): Ishikawa, Yoshinobu; Sawada, Hiroki; Ishii, Yasuo
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001226439	A	20010821	JP 2000-33804 <--	20000210
JP 3420733	B2	20030630		
EP 1129770	A1	20010905	EP 2001-102796 <--	20010209
EP 1129770	B1	20041222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 20010020064	A1	20010906	US 2001-779314 <--	20010209
ES 2230186	T3	20050501	ES 2001-102796 <--	20010209
PRIORITY APPLN. INFO.:			JP 2000-33804 A <--	20000210

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 21 Aug 2001
AB The compns. essentially contain reactive surfactants (a) [crit. micelle concn. (CMC) 0.007-0.4 mol/L] having one reactive group selected from CHR1:CR2(Y)p (R1, R2 = H, CH2X; X = H, substituent; Y = CO, CH2; p = 0, 1) and one anionic hydrophilic group and reactive surfactants (b) (CMC 1 .times. 10-5-0.007 mol/L) having one reactive group above mentioned and one anionic hydrophilic group [a/b = 5/95 to 60/40 (by mol)]. Thus, a polymer emulsion prepd. from 71.5 g H2O, 1g of a compn. contg. a 12.9:87.1 mixt. of CH2:C(CO2K)CH2CO2-n-C6H13 and

CH2:C(CO2K)CH2CO2-n-C12H25, 50g styrene, and 7.5g 2% aq. soln. of K2S2O8 showed good polymn. stability and av. particle size 85.1 nm.

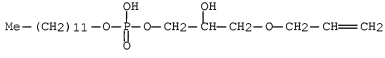
IT 354552-66-2P 354552-68-4P 354583-13-4P
354583-14-5P 354583-15-6P 354583-16-7P
354583-17-8P 354583-18-9P
(reactive surfactant compns. with controlled CMC for polymer emulsions)

RN 354552-66-2 HCAPLUS

CN 2-Propenoic acid, butyl ester, polymer with dodecyl 2-hydroxy-3-(2-propenyloxy)propyl hydrogen phosphate monosodium salt and .alpha.-sulfo-.omega.-[1-[[4-(1,1-dimethylethyl)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

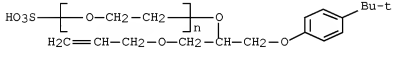
CM 1

CRN 354552-65-1
CMF C18 H37 O6 P . Na



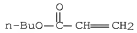
CM 2

CRN 354552-64-0
CMF (C2 H4 O)n C16 H24 O6 S . H3 N
CCI PMS



CM 3

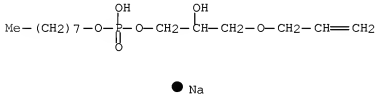
CRN 141-32-2
CMF C7 H12 O2



RN 354552-68-4 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with dodecyl 2-hydroxy-3-(2-propenyloxy)propyl hydrogen phosphate monosodium salt and 2-hydroxy-3-(2-propenyloxy)propyl octyl hydrogen phosphate monosodium salt (9CI) (CA INDEX NAME)

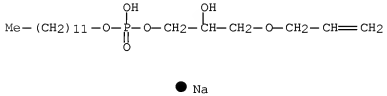
CM 1

CRN 354552-67-3
CMF C14 H29 O6 P . Na



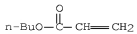
CM 2

CRN 354552-65-1
CMF C18 H37 O6 P . Na



CM 3

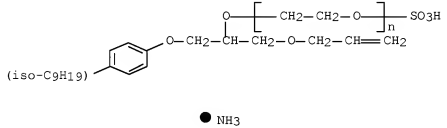
CRN 141-32-2
CMF C7 H12 O2



RN 354583-13-4 HCAPLUS
CN Butanedioic acid, sulfo-, C-[2-hydroxy-3-(2-propenyloxy)propyl] C-octyl ester, monosodium salt, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate, 2-propenoic acid and .alpha.-sulfo-.omega.-[1-[(4-isononylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

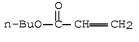
CM 1

CRN 354583-12-3
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



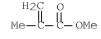
CM 2

CRN 141-32-2
CMF C7 H12 O2



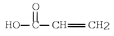
CM 3

CRN 80-62-6
CMF C5 H8 O2



CM 4

CRN 79-10-7
CMF C3 H4 O2

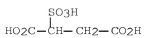


CM 5

CRN 354583-08-7
CMF C18 H32 O9 S . Na
CCI IDS

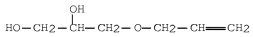
CM 6

CRN 5138-18-1
CMF C4 H6 O7 S



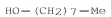
CM 7

CRN 123-34-2
CMF C6 H12 O3



CM 8

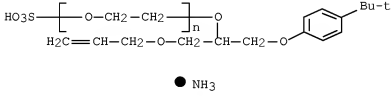
CRN 111-87-5
CMF C8 H18 O



RN 354583-14-5 HCAPLUS
CN Butanedioic acid, sulfo-, C-dodecyl C-[2-hydroxy-3-(2-propenyloxy)propyl] ester, monosodium salt, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate, 2-propenoic acid and .alpha.-sulfo-.omega.-[1-[[4-(1,1-dimethylethyl)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

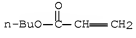
CM 1

CRN 354552-64-0
CMF (C2 H4 O)n C16 H24 O6 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2

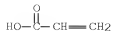


CM 3

CRN 80-62-6
CMF C5 H8 O2

CM 4

CRN 79-10-7
CMF C3 H4 O2

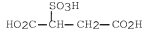


CM 5

CRN 119588-64-6
CMF C22 H40 O9 S . Na
CCI IDS

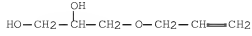
CM 6

CRN 5138-18-1
CMF C4 H6 O7 S



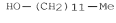
CM 7

CRN 123-34-2
CMF C6 H12 O3



CM 8

CRN 112-53-8
CMF C12 H26 O

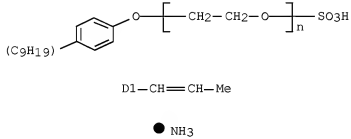


RN 354583-15-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, 2-propenoic acid, .alpha.-sulfo-.omega.-[1-[[4-(1,1-dimethylethyl)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt and .alpha.-sulfo-.omega.-[4-isononyl(1-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

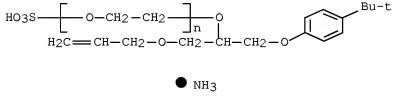
CM 1

CRN 354583-10-1
CMF (C2 H4 O)n C18 H28 O4 S . H3 N
CCI IDS, PMS



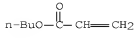
CM 2

CRN 354552-64-0
CMF (C2 H4 O)n C16 H24 O6 S . H3 N
CCI PMS



CM 3

CRN 141-32-2
CMF C7 H12 O2

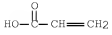


CM 4

CRN 80-62-6
CMF C5 H8 O2

CM 5

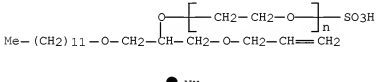
CRN 79-10-7
CMF C3 H4 O2



RN 354583-16-7 HCAPLUS
CN Butanedioic acid, sulfo-, C-[2-hydroxy-3-(2-propenyloxy)propyl] C-octyl ester, monosodium salt, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate, 2-propenoic acid and .alpha.-sulfo-.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

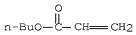
CM 1

CRN 113377-37-0
CMF (C2 H4 O)n C18 H36 O6 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2

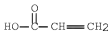


CM 3

CRN 80-62-6
CMF C5 H8 O2

CM 4

CRN 79-10-7
CMF C3 H4 O2

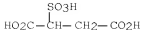


CM 5

CRN 354583-08-7
CMF C18 H32 O9 S . Na
CCI IDS

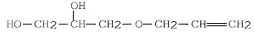
CM 6

CRN 5138-18-1
CMF C4 H6 O7 S



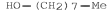
CM 7

CRN 123-34-2
CMF C6 H12 O3



CM 8

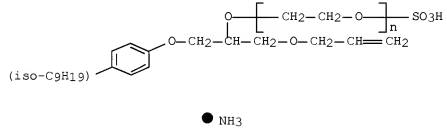
CRN 111-87-5
CMF C8 H18 O



RN 354583-17-8 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with 2-hydroxy-3-(2-propenyloxy)propyl octyl hydrogen phosphate monosodium salt and .alpha.-sulfo-.omega.-[1-[(4-isononylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

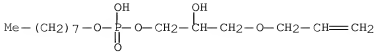
CM 1

CRN 354583-12-3
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



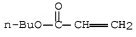
CM 2

CRN 354552-67-3
CMF C14 H29 O6 P . Na



CM 3

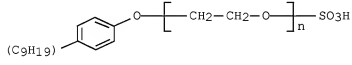
CRN 141-32-2
CMF C7 H12 O2



RN 354583-18-9 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with 2-hydroxy-3-(2-propenyloxy)propyl octyl hydrogen phosphate monosodium salt and .alpha.-sulfo-.omega.-[4-isononyl(1-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

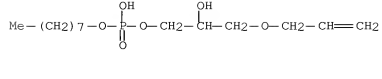
CM 1

CRN 354583-10-1
CMF (C2 H4 O)n C18 H28 O4 S . H3 N
CCI IDS, PMS



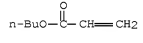
CM 2

CRN 354552-67-3
CMF C14 H29 O6 P . Na



CM 3

CRN 141-32-2
CMF C7 H12 O2



IPCI C08F0222-16 [ICM,7]; B01F0017-52 [ICS,7]; C08F0002-24 [ICS,7]; C08F0012-04 [ICS,7]; C08F0216-12 [ICS,7]; C08F0220-04 [ICS,7]
IPCR B01F0017-00 [I,A]; B01F0017-52 [I,A]; C08F0002-16 [I,A]; C08F0002-24 [I,A]; C08F0002-26 [I,A]; C08F0004-00 [I,A]; C08F0012-04 [I,A]; C08F0020-12 [I,A]; C08F0216-12 [I,A]; C08F0220-04 [I,A]; C08F0222-16 [I,A]
CC 37-3 (Plastics Manufacture and Processing)
IT 354552-58-2P 354552-59-3P 354552-61-7P 354552-62-8P
354552-66-2P 354552-68-4P 354583-09-8P
354583-11-2P 354583-13-4P 354583-14-5P
354583-15-6P 354583-16-7P 354583-17-8P
354583-18-9P
(reactive surfactant compns. with controlled CMC for polymer emulsions)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L39 ANSWER 10 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2001:289987 HCAPLUS Full-text
DOCUMENT NUMBER: 134:281635
TITLE: Hydrophilic allylic crosslinking agents for water-absorbing polymers
INVENTOR(S): Nakamura, Shinichiro; Shimizu, Yasumi; Matsutomi, Toru
PATENT ASSIGNEE(S): Daiso Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001114840	A	20010424	JP 1999-299551 <--	19991021
PRIORITY APPLN. INFO.:			JP 1999-299551 <--	19991021

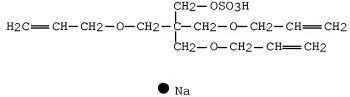
ED Entered STN: 24 Apr 2001

AB The agents have 2 allyl groups and .gtoreq.1 hydrophilic group chosen from OSO3Y, SO3Y, and OP(O)(OY)2 (Y = H, alkali metal, ammonium, alk. earth metal). Thus, pentaerythritol triallyl ether (I) was treated with HSO3Cl followed by NaOH to give I sulfate Na salt, which showed 2.21 w/v% soly. in acrylic acid. Acrylic acid was polymd. with I sulfate Na salt to give a polymer showing 46 g/g water absorption.

IT 333718-49-3P 333718-50-6P
(hydrophilic allylic crosslinking agents for water-absorbing polymers)

RN 333718-49-3 HCAPLUS

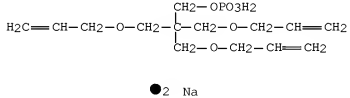
CN 1-Propanol, 3-(2-propen-1-yloxy)-2,2-bis[(2-propen-1-yloxy)methyl]-, 1-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RN 333718-50-6 HCAPLUS

CN 1-Propanol, 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-, dihydrogen phosphate, disodium salt (9CI) (CA INDEX NAME)



●2 Na

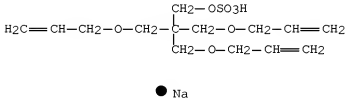
IT 333718-51-7P 333718-52-8P 333718-53-9P
(hydrophilic allylic crosslinking agents for water-absorbing polymers)

RN 333718-51-7 HCAPLUS

CN 2-Propenoic acid, polymer with sodium
3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]propyl sulfate (9CI)
(CA INDEX NAME)

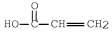
CM 1

CRN 333718-49-3
CMF C14 H24 O7 S . Na



CM 2

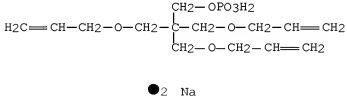
CRN 79-10-7
CMF C3 H4 O2



RN 333718-52-8 HCAPLUS
CN 2-Propenoic acid, polymer with disodium
3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]propyl phosphate (9CI)
(CA INDEX NAME)

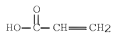
CM 1

CRN 333718-50-6
CMF C14 H25 O7 P . 2 Na



CM 2

CRN 79-10-7
CMF C3 H4 O2



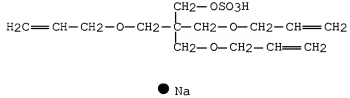
RN 333718-53-9 HCAPLUS
CN 2-Propenoic acid, polymer with sodium 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]propyl sulfate, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 333718-51-7
CMF (C14 H24 O7 S . C3 H4 O2 . Na)x
CCI PMS

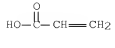
CM 2

CRN 333718-49-3
CMF C14 H24 O7 S . Na



CM 3

CRN 79-10-7
CMF C3 H4 O2



IPCI C08F0228-02 [ICM,7]; C08F0002-44 [ICS,7]; C08F0230-02 [ICS,7]; C08F0291-00 [ICS,7]; C08J0003-24 [ICS,7]; C08L0101-14 [ICS,7]
IPCR C08J0003-24 [I,A]; C08F0002-44 [I,A]; C08F0228-02 [I,A]; C08F0230-02 [I,A]; C08F0291-00 [I,A]; C08L0101-14 [I,A]
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 23
IT 333718-49-3P 333718-50-6P
(hydrophilic allylic crosslinking agents for water-absorbing polymers)
IT 333718-51-7P 333718-52-8P 333718-53-9P
(hydrophilic allylic crosslinking agents for water-absorbing polymers)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L39 ANSWER 11 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1997:533603 HCAPLUS Full-text
DOCUMENT NUMBER: 127:191884
ORIGINAL REFERENCE NO.: 127:37207a,37210a
TITLE: Compounds and surfactants for emulsifiers for polymerization and fiber finishing
INVENTOR(S): Komiya, Kaoru; Kawamata, Hiromasa; Umezawa, Shohei
PATENT ASSIGNEE(S): Asahi Denka Kogyo K.K., Japan
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
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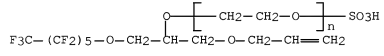
WO 9728111	A1	19970807	WO 1997-JP186 <--	19970128
W: JP, KR, US RW: DE, FR, GB, NL				
EP 825167	A1	19980225	EP 1997-900791 <--	19970128
EP 825167	B1	20011004		
R: DE, FR, GB, NL				
JP 4031831	B2	20080109	JP 1997-527481 <--	19970128
US 5929290	A	19990727	US 1997-913856 <--	19970929
JP 2008024942	A	20080207	JP 2007-203331 <--	20070803
JP 4824646	B2	20111130		
PRIORITY APPLN. INFO.:			JP 1996-14441 A <--	19960130
			JP 1996-23908 A <--	19960209
			JP 1997-527481 A3 <--	19970128
			WO 1997-JP186 W <--	19970128

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 21 Aug 1997
AB Reactive surfactants RfO(AO)mCH2CH[O(AO')m'X]CH2OCH2CR1:CH2 are prepd., where R1 = H or Me, Rf is a hydrocarbon group or acyl in which .gtoreq.1 H is replaced by F, AO and AO' represent groups selected among C2-4 oxyalkylenes or styrene oxide residues; m, m' = 0 or 1-1,000; and X = H or a hydrophilic group. Thus, C6F13OCH2CH[O(CH2CH2O)30H]CH2OCH2CH:CH2 was prepd. and used as an emulsifier for the polymn. of acrylonitrile, butadiene, and styrene.
IT 194295-78-8P 194295-91-5P 194296-01-0P
(antifogging and antistatic polymers)
RN 194295-78-8 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]-, potassium salt, polymer with 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

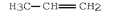
CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



● K

CM 2

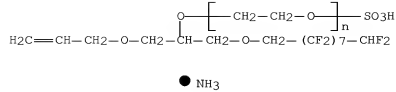
CRN 115-07-1
CMF C3 H6



RN 194295-91-5 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-.omega.-hydroxy-, ammonium salt, polymer with 1-propene, graft (9CI) (CA INDEX NAME)

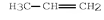
CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



CM 2

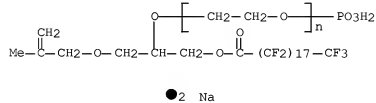
CRN 115-07-1
CMF C3 H6



RN 194296-01-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, disodium salt, polymer with 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



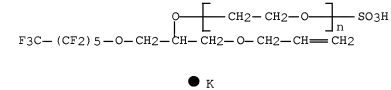
CM 2

CRN 115-07-1
CMF C3 H6

IT 194296-31-6P 194296-39-4P 194296-45-2P
(antistatic and antifogging polymers)
RN 194296-31-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]-, potassium salt, polymer with ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



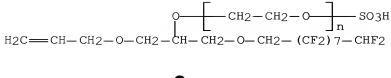
CM 2

CRN 100-42-5
CMF C8 H8

RN 194296-39-4 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt, polymer with ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



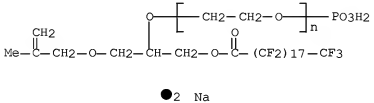
CM 2

CRN 100-42-5
CMF C8 H8

RN 194296-45-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, disodium salt, polymer with ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



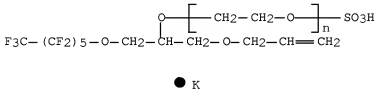
CM 2

CRN 100-42-5
CMF C8 H8

IT 194296-09-8P 194296-18-9P 194296-25-8P
(fibers; antisoiling fabrics)
RN 194296-09-8 HCAPLUS
CN 1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) potassium salt, graft (9CI) (CA INDEX NAME)

CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS

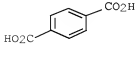


CM 2

CRN 107-21-1
CMF C2 H6 O2

CM 3

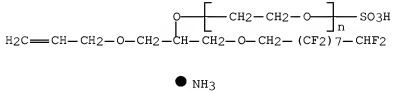
CRN 100-21-0
CMF C8 H6 O4



RN 194296-18-9 HCAPLUS
CN 1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

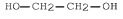
CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



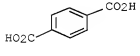
CM 2

CRN 107-21-1
CMF C2 H6 O2



CM 3

CRN 100-21-0
CMF C8 H6 O4

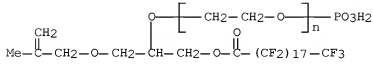


RN 194296-25-8 HCAPLUS
CN 1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(1-methyl-2-propenyl)oxy]ethoxy]poly(oxy-

1,2-ethanediyl) disodium salt, graft (9CI) (CA INDEX NAME)

CM 1

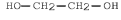
CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



●2 Na

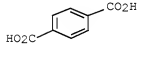
CM 2

CRN 107-21-1
CMF C2 H6 O2



CM 3

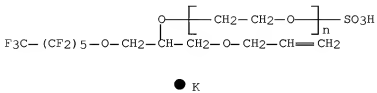
CRN 100-21-0
CMF C8 H6 O4



IT 194295-16-4P 194295-20-0P 194295-23-3P
194295-26-6P 194295-30-2P 194295-33-5P
194295-36-8P 194295-40-4P 194295-43-7P
(manuf. and reactive surfactants as emulsifiers for)
RN 194295-16-4 HCAPLUS
CN 2-Propenenitrile, polymer with 1,3-butadiene, ethenylbenzene and .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) potassium salt (9CI) (CA INDEX NAME)

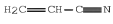
CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



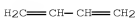
CM 2

CRN 107-13-1
CMF C3 H3 N



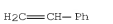
CM 3

CRN 106-99-0
CMF C4 H6



CM 4

CRN 100-42-5
CMF C8 H8

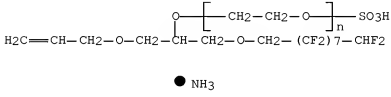


RN 194295-20-0 HCAPLUS
CN 2-Propenenitrile, polymer with 1,3-butadiene, ethenylbenzene and .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-

hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

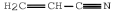
CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



CM 2

CRN 107-13-1
CMF C3 H3 N



CM 3

CRN 106-99-0
CMF C4 H6

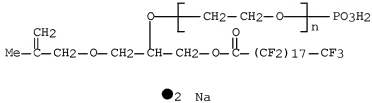
CM 4

CRN 100-42-5
CMF C8 H8

RN 194295-23-3 HCAPLUS
CN 2-Propenenitrile, polymer with 1,3-butadiene, ethenylbenzene and .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(1-methyl-2-propenyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) disodium salt (9CI) (CA INDEX NAME)

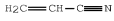
CM 1

CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



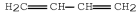
CM 2

CRN 107-13-1
CMF C3 H3 N



CM 3

CRN 106-99-0
CMF C4 H6



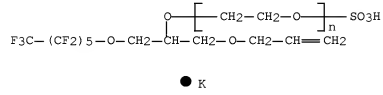
CM 4

CRN 100-42-5
CMF C8 H8

RN 194295-26-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



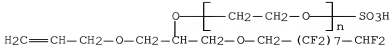
CM 2

CRN 80-62-6
CMF C5 H8 O2

RN 194295-30-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



● NH_3

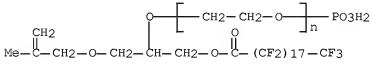
CM 2

CRN 80-62-6
CMF C5 H8 O2

RN 194295-33-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) disodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



● 2 Na

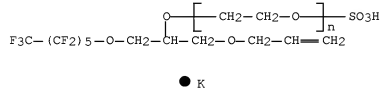
CM 2

CRN 80-62-6
CMF C5 H8 O2

RN 194295-36-8 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]-, potassium salt, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



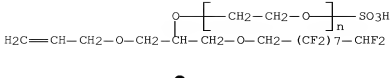
CM 2

CRN 75-01-4
CMF C2 H3 Cl

RN 194295-40-4 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



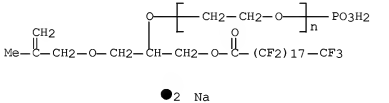
CM 2

CRN 75-01-4
CMF C2 H3 Cl

RN 194295-43-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, disodium salt, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



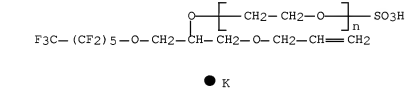
CM 2

CRN 75-01-4
CMF C2 H3 Cl

IT 194295-46-0P 194295-50-6P 194295-53-9P
194295-56-2P 194295-64-2P 194295-70-0P
(manuf. of antifogging and antistatic polymers and reactive surfactants as emulsifiers for)
RN 194295-46-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]-, potassium salt, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



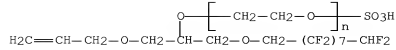
CM 2

CRN 100-42-5
CMF C8 H8

RN 194295-50-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



● NH_3

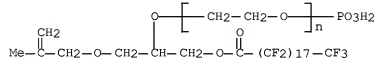
CM 2

CRN 100-42-5
CMF C8 H8

RN 194295-53-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, disodium salt, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



● 2 Na

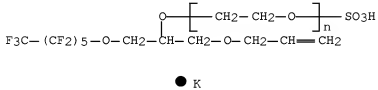
CM 2

CRN 100-42-5
CMF C8 H8

RN 194295-56-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) potassium salt (9CI) (CA INDEX NAME)

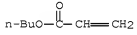
CM 1

CRN 194294-93-4
CMF (C2 H4 O)n C12 H11 F13 O6 S . K
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

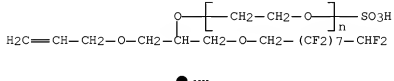
CRN 79-41-4
CMF C4 H6 O2

RN 194295-64-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

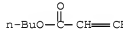
CM 1

CRN 194295-11-9
CMF (C2 H4 O)n C15 H14 F16 O6 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



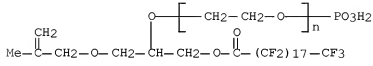
CM 3

CRN 79-41-4
CMF C4 H6 O2

RN 194295-70-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(1-methyl-2-propenyl)oxy]ethoxy]poly(oxy-1,2-ethanediyl) disodium salt (9CI) (CA INDEX NAME)

CM 1

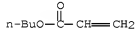
CRN 194294-99-0
CMF (C2 H4 O)n C26 H14 F37 O7 P . 2 Na
CCI PMS



●2 Na

CM 2

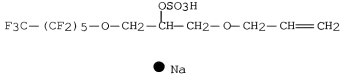
CRN 141-32-2
CMF C7 H12 O2



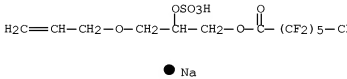
CM 3

CRN 79-41-4
CMF C4 H6 O2

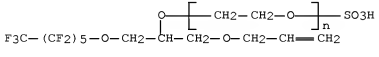
IT 194294-90-1P 194294-91-2P 194294-92-3P
194294-93-4P 194294-94-5P 194294-95-6P
194294-96-7P 194294-97-8P 194294-98-9P
194294-99-0P 194295-00-6P 194295-01-7P
194295-11-9P
(reactive surfactants for emulsifiers for polymn. and fiber finishing)
RN 194294-90-1 HCAPLUS
CN 2-Propanol, 1-(2-propen-1-yloxy)-3-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)oxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



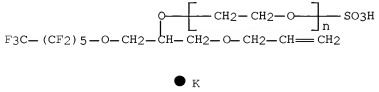
RN 194294-91-2 HCAPLUS
CN Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoro-, 3-(2-propen-1-yloxy)-2-(sulfooxy)propyl ester, sodium salt (1:1) (CA INDEX NAME)



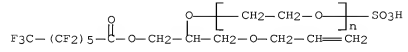
RN 194294-92-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]- (9CI) (CA INDEX NAME)



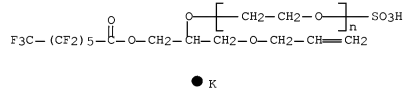
RN 194294-93-4 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(tridecafluorohexyl)oxy]ethoxy]-, potassium salt (9CI) (CA INDEX NAME)



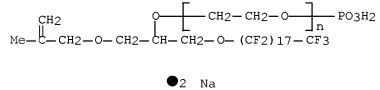
RN 194294-94-5 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoro-1-oxoheptyl)oxy]ethoxy]- (9CI) (CA INDEX NAME)



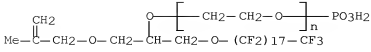
RN 194294-95-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(2-propenyloxy)methyl]-2-[(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoro-1-oxoheptyl)oxy]ethoxy]-, potassium salt (9CI) (CA INDEX NAME)



RN 194294-96-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(heptatriacontafluorooctadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, disodium salt (9CI) (CA INDEX NAME)

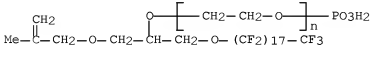


RN 194294-97-8 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(heptatriacontafluorooctadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, diammonium salt (9CI) (CA INDEX NAME)



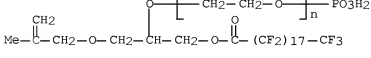
●2 NH_3

RN 194294-98-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(heptatriacontafluorooctadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, magnesium salt (9CI) (CA INDEX NAME)



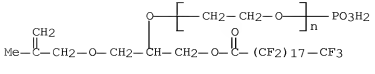
● Mg

RN 194294-99-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, disodium salt (9CI) (CA INDEX NAME)

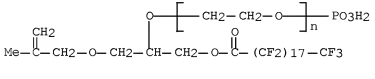


●2 Na

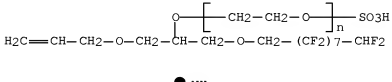
RN 194295-00-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, diammonium salt (9CI) (CA INDEX NAME)



RN 194295-01-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-heptatriacontafluoro-1-oxononadecyl)oxy]methyl]-2-[(2-methyl-2-propenyl)oxy]ethoxy]-, magnesium salt (9CI) (CA INDEX NAME)



RN 194295-11-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononyl)oxy]methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)



IPCI C07C0043-178 [ICM,6]; C07C0069-34 [ICS,6]; C07C0069-66 [ICS,6]; C07C0305-10 [ICS,6]; C07F0009-09 [ICS,6]; C08G0065-28 [ICS,6]; C08G0065-32 [ICS,6]; C09K0003-00 [ICS,6]
IPCR C07C0043-178 [I,A]; C07C0069-63 [I,A]; C07C0305-10 [I,A]; C07F0009-09 [I,A]; C08G0065-00 [I,A]; C08G0065-14 [I,A]; C08G0065-26 [I,A]; C08G0065-28 [I,A]
CC 40-9 (Textiles and Fibers)
Section cross-reference(s): 37, 46
IT 194295-73-3P 194295-78-8P 194295-80-2P 194295-83-5P

194295-87-9P 194295-91-5P 194295-94-8P 194295-97-1P
194296-01-0P 194296-05-4P
(antifogging and antistatic polymers)
IT 194296-29-2P 194296-31-6P 194296-33-8P 194296-35-0P
194296-37-2P 194296-39-4P 194296-41-8P 194296-43-0P
194296-45-2P 194296-47-4P
(antistatic and antifogging polymers)
IT 194296-07-6P 194296-09-8P 194296-11-2P 194296-13-4P
194296-15-6P 194296-18-9P 194296-20-3P 194296-22-5P
194296-25-8P 194296-27-0P
(fibers; antisoiling fabrics)
IT 194295-15-3P 194295-16-4P 194295-17-5P 194295-18-6P
194295-19-7P 194295-20-0P 194295-21-1P 194295-22-2P
194295-23-3P 194295-24-4P 194295-25-5P
194295-26-6P 194295-27-7P 194295-28-8P 194295-29-9P
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194295-40-4P 194295-41-5P 194295-42-6P
194295-43-7P 194295-44-8P
(manuf. and reactive surfactants as emulsifiers for)
IT 194295-45-9P 194295-46-0P 194295-47-1P 194295-48-2P
194295-49-3P 194295-50-6P 194295-51-7P 194295-52-8P
194295-53-9P 194295-54-0P 194295-55-1P
194295-56-2P 194295-58-4P 194295-60-8P 194295-62-0P
194295-64-2P 194295-66-4P 194295-68-6P
194295-70-0P 194295-72-2P
(manuf. of antifogging and antistatic polymers and reactive surfactants as emulsifiers for)
IT 194294-82-1P 194294-83-2P 194294-84-3P 194294-85-4P
194294-86-5P 194294-87-6P 194294-88-7P 194294-89-8P
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194369-02-3P
(reactive surfactants for emulsifiers for polymn. and fiber finishing)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 12 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1996:248322 HCAPLUS Full-text
DOCUMENT NUMBER: 124:345042
ORIGINAL REFERENCE NO.: 124:64091a,64094a
TITLE: Storage-stable aqueous polymer compositions for coating films with good water and chemical resistances and strength
INVENTOR(S): Nakahata, Takashi; Nakada, Tadahiro; Oka, Masashi

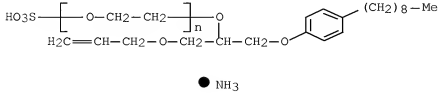
PATENT ASSIGNEE(S): Asahi Denka Kogyo KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08034897	A	19960206	JP 1994-172225 <--	19940725
JP 3508030	B2	20040322		
PRIORITY APPLN. INFO.:			JP 1994-172225 <--	19940725

ED Entered STN: 27 Apr 1996
AB Title compns. (solids content 2-90%) contain (A) 1-85% polyurethanes and (B) 1-85% acrylic polymers obtained by polymg. acrylic unsatd. monomer mixts. in the presence of reactive emulsifiers having copolymerizable unsatd. bonds. The reactive emulsifiers may be CH2:CR1XCH2CH(OZ)CH2O(AO)mR2 [R1 = H, Me; R2 = C6-30 hydrocarbyl, acyl; A = C2-4 alkylene; X = CH2O, C(O)O, CH2OC(O); Z = H, nonionic or anionic hydrophilic group; m = 0-100]. Thus, 200 parts aq. polyurethane (prepd. from polypropylene glycol 49, dicyclohexylmethane diisocyanate 176, dimethylolpropionic acid 70, N-methylpyrrolidone 196, Et3N 48, hexamethylenediamine 5, and H2O 456 parts) and 233 parts acrylic emulsion [prepd. from Me methacrylate 45, Bu acrylate 45, glycidyl methacrylate 10, CH2:CHCH2OCH2CH[O(C2H4O)10SO3NH4]CH2OC6H4C9H19-p 3, (NH4)2S2O8 0.6, and H2O 130 parts] were mixed to give a 40% storage-stable aq. compn., which was applied on a glass plate to give a coating film with good water and chem. resistances.
IT 176744-68-6 176744-69-7 176744-70-0
176744-71-1 176744-75-5 176744-77-7
(storage-stable aq. polyurethane-acrylic polymer compns. for coating films with good water and chem. resistances and strength)
RN 176744-68-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

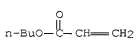
CM 1

CRN 136931-77-6
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI PMS



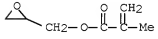
CM 2

CRN 141-32-2
CMF C7 H12 O2



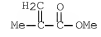
CM 3

CRN 106-91-2
CMF C7 H10 O3



CM 4

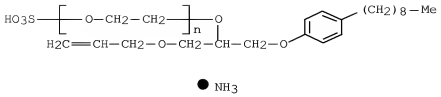
CRN 80-62-6
CMF C5 H8 O2



RN 176744-69-7 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, N-(hydroxymethyl)-2-propenamide, oxiranylmethyl 2-methyl-2-propenoate and .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

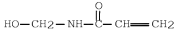
CM 1

CRN 136931-77-6
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI PMS



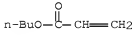
CM 2

CRN 924-42-5
CMF C4 H7 N O2



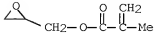
CM 3

CRN 141-32-2
CMF C7 H12 O2



CM 4

CRN 106-91-2
CMF C7 H10 O3



CM 5

CRN 100-42-5
CMF C8 H8

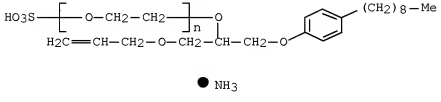
CM 6

CRN 80-62-6
CMF C5 H8 O2

RN 176744-70-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-ethylhexyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, oxiranylmethyl 2-methyl-2-propenoate and .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

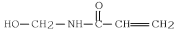
CM 1

CRN 136931-77-6
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI PMS



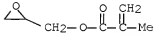
CM 2

CRN 924-42-5
CMF C4 H7 N O2



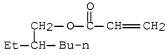
CM 3

CRN 106-91-2
CMF C7 H10 O3



CM 4

CRN 103-11-7
CMF C11 H20 O2



CM 5

CRN 100-42-5
CMF C8 H8

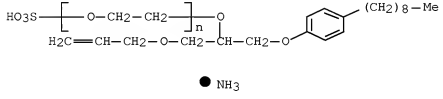
CM 6

CRN 80-62-6
CMF C5 H8 O2

RN 176744-71-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate and .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

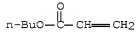
CM 1

CRN 136931-77-6
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



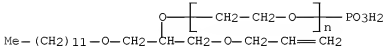
CM 3

CRN 80-62-6
CMF C5 H8 O2

RN 176744-75-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and .alpha.-phosphono-.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) diammonium salt (9CI) (CA INDEX NAME)

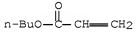
CM 1

CRN 176744-74-4
CMF (C2 H4 O)n C18 H37 O6 P . 2 H3 N
CCI PMS



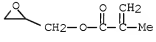
CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

CRN 106-91-2
CMF C7 H10 O3



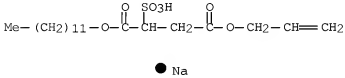
CM 4

CRN 80-62-6
CMF C5 H8 O2

RN 176744-77-7 HCAPLUS
CN Butanedioic acid, sulfo-, 1-dodecyl 4-(2-propenyl) ester, sodium salt, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

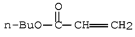
CM 1

CRN 162880-23-1
CMF C19 H34 O7 S . Na



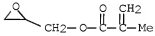
CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

CRN 106-91-2
CMF C7 H10 O3



CM 4

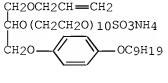
CRN 80-62-6
CMF C5 H8 O2

IPCI C08L0033-14 [ICM,6]; C08F0002-24 [ICS,6]; C08L0075-04 [ICS,6]
IPCR C08L0033-14 [I,A]; C08F0002-24 [I,A]; C08L0033-04 [I,A]; C08L0075-00 [I,A]; C08L0075-04 [I,A]
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38, 42
IT 103336-45-4 113988-50-4 143482-33-1 157609-04-6 176744-65-3 176744-66-4 176744-67-5 176744-68-6 176744-69-7 176744-70-0 176744-71-1 176744-73-3 176744-75-5 176744-76-6 176744-77-7
(storage-stable aq. polyurethane-acrylic polymer compns. for coating films with good water and chem. resistances and strength)

L39 ANSWER 13 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1995:654989 HCAPLUS Full-text
DOCUMENT NUMBER: 123:35414
ORIGINAL REFERENCE NO.: 123:6490h,6491a
TITLE: Heat blocking-resistant coatings
INVENTOR(S): Ikebayashi, Nobuhiko; Koshio, Takeaki
PATENT ASSIGNEE(S): Hoechst Gosei KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07026165	A	19950127	JP 1993-220382 <--	19930706
PRIORITY APPLN. INFO.:			JP 1993-220382 <--	19930706

ED Entered STN: 05 Jul 1995
GI



I

AB Title coatings contain .alpha., .beta.-ethylenic monomer-based polymers prepd. in the presence of emulsifiers CH2:CR1CH2OCH2CH(OZ)CH2O(AO)mR2 (A = C2-4 alkylene;

R1 = H, Me; R2 = C8-24 hydrocarbyl or acyl; Z = H, nonionic or anionic hydrophilic groups), pigments, and colloidal SiO2 with Y .gtoreq.[25 - (1/4 .times. X)] and X = 5-90, in which X wt.% = pigments/(SiO2 composite polymers + pigments) and Y wt.% = SiO2/[SiO2 composite polymers - (polymers + SiO2)]. A mixt. of 13-nm SiO2 particles and an emulsion contg. 100-nm polymer particles prepd. from Bu acrylate, Me methacrylate, and methacrylic acid in the presence of I was further mixed with TiO2, CaCO3, and other additives gave a compn. with X = 60% and Y = 29.4% and showing good heat blocking resistance and storage stability at 50.degree. for 1 wk.

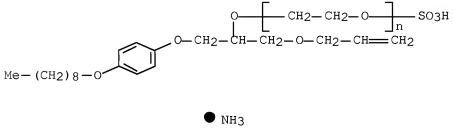
IT 164463-57-4 164463-58-5 164463-59-6
164463-60-9 164463-62-1
(silica composite; coatings with heat blocking resistance and storage stability)

RN 164463-57-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and .alpha.-sulfo-.omega.-[1-[[4-(nonyloxy)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

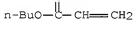
CM 1

CRN 164463-56-3
CMF (C2 H4 O)n C21 H34 O7 S . H3 N
CCI PMS



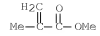
CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

CRN 80-62-6
CMF C5 H8 O2



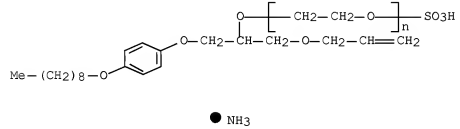
CM 4

CRN 79-41-4
CMF C4 H6 O2

RN 164463-58-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenyltriethoxysilane, methyl 2-methyl-2-propenoate and .alpha.-sulfo-.omega.-[1-[[4-(nonyloxy)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

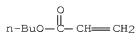
CM 1

CRN 164463-56-3
CMF (C2 H4 O)n C21 H34 O7 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

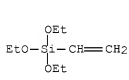
CRN 80-62-6
CMF C5 H8 O2

CM 4

CRN 79-41-4
CMF C4 H6 O2

CM 5

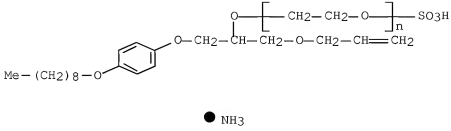
CRN 78-08-0
CMF C8 H18 O3 Si



RN 164463-59-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, methyl 2-methyl-2-propenoate and .alpha.-sulfo-.omega.-[1-[[4-(nonyloxy)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

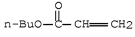
CM 1

CRN 164463-56-3
CMF (C2 H4 O)n C21 H34 O7 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

CRN 100-42-5
CMF C8 H8

CM 4

CRN 80-62-6
CMF C5 H8 O2

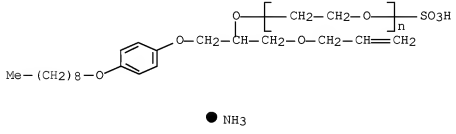
CM 5

CRN 79-41-4
CMF C4 H6 O2

RN 164463-60-9 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate, 2-propenoic acid and .alpha.-sulfo-.omega.-[1-[[4-(nonyloxy)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

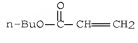
CM 1

CRN 164463-56-3
CMF (C2 H4 O)n C21 H34 O7 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

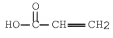
CRN 80-62-6
CMF C5 H8 O2

CM 4

CRN 79-41-4
CMF C4 H6 O2

CM 5

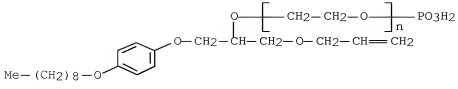
CRN 79-10-7
CMF C3 H4 O2



RN 164463-62-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate and .alpha.-phosphono-.omega.-[1-[[4-(nonyloxy)phenoxy]methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) disodium salt (9CI) (CA INDEX NAME)

CM 1

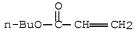
CRN 164463-61-0
CMF (C2 H4 O)n C21 H35 O7 P . 2 Na
CCI PMS



●2 Na

CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

CRN 80-62-6
CMF C5 H8 O2

CM 4

CRN 79-41-4
CMF C4 H6 O2

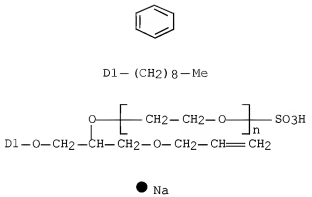
IPCI C09D0001-00 [ICM,6]; C08F0002-24 [ICS,6]; C09D0005-00 [ICS,6]; C09D0005-02 [ICS,6]; C09D0007-12 [ICS,6]
IPCR C08F0002-24 [I,A]; C09D0001-00 [I,A]; C09D0005-00 [I,A]; C09D0005-02 [I,A]; C09D0007-12 [I,A]

CC 42-7 (Coatings, Inks, and Related Products)
IT 164463-57-4 164463-58-5 164463-59-6
164463-60-9 164463-62-1
(silica composite; coatings with heat blocking resistance and storage stability)

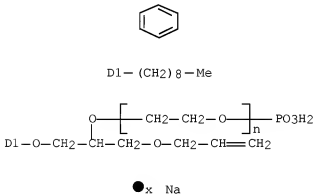
L39 ANSWER 14 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1995:571394 HCAPLUS Full-text
DOCUMENT NUMBER: 123:229313
ORIGINAL REFERENCE NO.: 123:40977a,40980a
TITLE: Dispersing agents for suspension polymerization of vinyl chloride monomers
INVENTOR(S): Mizutari, Takeaki; Tsuzuki, Masahide; Komya, Kaoru
PATENT ASSIGNEE(S): Asahi Denka Kogyo KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07062005	A	19950307	JP 1993-211809 <--	19930826
PRIORITY APPLN. INFO.:			JP 1993-211809 <--	19930826

ED Entered STN: 25 May 1995
AB Title agents which do not remain in the product polymers in a free state comprise C2:CR1CH2OCH2CH(OX)CH2O(AO)nR2 [sic; A = C2-4 alkylene; R1 = H, Me; R2 = C1-24 hydrocarbyl, acyl; n = 0-50; X = hydrophilic group of (AO)mH, (AO)rSO3M, or (AO)kP(O)(OM1)(OM2); M1, M2 = H, alkali metal, alk. earth metal, (org.) ammonium; m = 1-100; r, k = 1-50]. Thus, equimolar nonylphenol and allyl glycidyl ether were reacted at 90 .+-. 5.degree. for 5 h and then 1 mol the resulting product was further reacted with 10 mol ethylene oxide to obtain a dispersing agent (I). Then 100 parts vinyl chloride was polymd. in H2O in the presence of 1 part I and di-2-ethylhexyl peroxydicarbonate at 57.degree. for 7 h showing no scale deposition on the reactor wall. The resulting polymer showed good water resistance and thermal stability.
IT 111144-58-2P 168009-71-0P
(reactive dispersants for manuf. of thermally stable water-resistant vinyl chloride polymers)
RN 111144-58-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]-, sodium salt (1:1) (CA INDEX NAME)



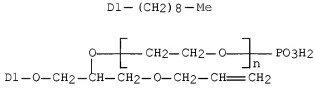
RN 168009-71-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt (9CI) (CA INDEX NAME)



IT 168009-72-1P 168009-73-2P 168009-74-3P
168009-75-4P 168009-76-5P 168109-70-4P
168109-71-5P 169970-88-1P
(reactive dispersants for manuf. of thermally stable water-resistant vinyl chloride polymers)
RN 168009-72-1 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 168009-71-0
CMF (C2 H4 O)n C21 H35 O6 P . x Na
CCI IDS, PMS



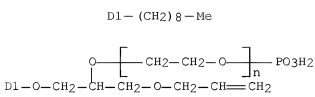
CM 2

CRN 75-01-4
CMF C2 H3 Cl

RN 168009-73-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, polymer with chloroethene and ethene (9CI) (CA INDEX NAME)

CM 1

CRN 168009-71-0
CMF (C2 H4 O)n C21 H35 O6 P . x Na
CCI IDS, PMS



CM 2

CRN 75-01-4
CMF C2 H3 Cl

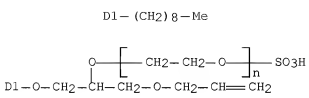
CM 3

CRN 74-85-1
CMF C2 H4

RN 168009-74-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt, polymer with chloroethene and ethene (9CI) (CA INDEX NAME)

CM 1

CRN 111144-58-2
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

CRN 75-01-4
CMF C2 H3 Cl

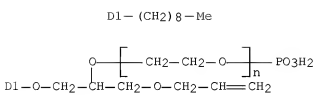
CM 3

CRN 74-85-1
CMF C2 H4

RN 168009-75-4 HCAPLUS
CN Acetic acid ethenyl ester, polymer with chloroethene and .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 168009-71-0
CMF (C2 H4 O)n C21 H35 O6 P . x Na
CCI IDS, PMS



CM 2

CRN 108-05-4
CMF C4 H6 O2

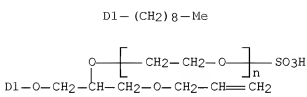
CM 3

CRN 75-01-4
CMF C2 H3 Cl

RN 168009-76-5 HCAPLUS
CN Acetic acid ethenyl ester, polymer with chloroethene and .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy][poly(oxy-1,2-ethanediyl)] sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 111144-58-2
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

CRN 108-05-4
CMF C4 H6 O2

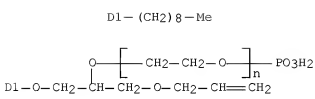
CM 3

CRN 75-01-4
CMF C2 H3 Cl

RN 168109-70-4 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt, polymer with chloroethene and ethoxyethene (9CI) (CA INDEX NAME)

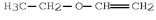
CM 1

CRN 168009-71-0
CMF (C2 H4 O)n C21 H35 O6 P . x Na
CCI IDS, PMS



CM 2

CRN 109-92-2
CMF C4 H8 O



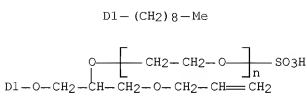
CM 3

CRN 75-01-4
CMF C2 H3 Cl

RN 168109-71-5 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt, polymer with chloroethene and ethoxyethene (9CI) (CA INDEX NAME)

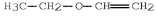
CM 1

CRN 111144-58-2
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

CRN 109-92-2
CMF C4 H8 O



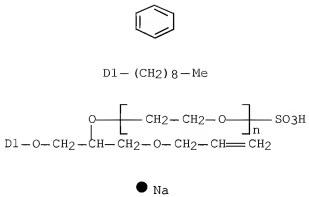
CM 3

CRN 75-01-4
CMF C2 H3 Cl

RN 169970-88-1 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 111144-58-2
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



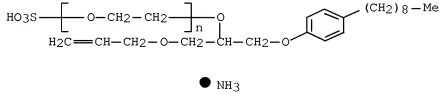
CM 2

CRN 75-01-4
CMF C2 H3 Cl

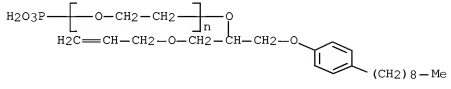
IPCI C08F0002-18 [ICM,6]; B01F0017-42 [ICS,6]; C08F0014-06 [ICS,6]
IPCR B01F0017-42 [I,A]; C08F0002-18 [I,A]; C08F0014-00 [I,A]; C08F0014-06 [I,A]
CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 46
IT 75-21-8DP, Oxirane, reaction products with glycerol (meth)allyl ethers
75-56-9DP, reaction products with glycerol (meth)allyl ethers
26249-20-7DP, Butylene oxide, reaction products with glycerol (meth)allyl ethers 111144-58-2P 111144-60-6P
168009-71-0P 168111-42-0P 168399-97-1P
(reactive dispersants for manuf. of thermally stable water-resistant vinyl chloride polymers)
IT 75-01-4DP, polymers with alkoxylated glycerol (meth)allyl ethers
79-10-7DP, 2-Propenoic acid, esters, polymers with vinyl chloride and alkoxylated glycerol (meth)allyl ethers 168009-69-6P 168009-70-9P
168009-72-1P 168009-73-2P 168009-74-3P
168009-75-4P 168009-76-5P 168036-63-3P
168109-69-1P 168109-70-4P 168109-71-5P
168111-44-2P 168112-60-5P 168253-58-5P 168397-31-7P
168397-32-8P 168397-33-9P 168609-02-7P 169970-88-1P
199542-29-5P
(reactive dispersants for manuf. of thermally stable water-resistant vinyl chloride polymers)

L39 ANSWER 15 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1993:192325 HCAPLUS Full-text

DOCUMENT NUMBER: 118:192325
ORIGINAL REFERENCE NO.: 118:33065a,33068a
TITLE: Synthesis of polymerizable surfactant and its application to emulsion polymerization
AUTHOR(S): Yokota, Kinya; Ichihara, Akinobu; Shinike, Hitoshi
CORPORATE SOURCE: Appl. Lab., Dai-Ichi Kogyo Seiyaku Co. Ltd., Kyoto, 600, Japan
SOURCE: Special Publication - Royal Society of Chemistry (1992), 107(Ind. Appl. Surfactants III), 29-48
CODEN: SROCDO; ISSN: 0260-6291
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 14 May 1993
AB As polymerizable surfactants, ethoxylated 1-nonylphenoxy-2-hydroxy-3-(allyloxy)propane, its sulfate, and its phosphate were synthesized. Ethoxylated 2-allyl-4-nonylphenol, its sulfate, and its phosphate were also synthesized. The yields of these polymerizable surfactants were >95%. These polymerizable surfactants were applied as emulsifiers for emulsion polymn. of Et acrylate and Bu acrylate/styrene. Their polymn. stabilities were the same as those of surfactants commonly used and great improvements were seen in low foaming of the emulsion and water resistance of the polymer film.
IT 136931-77-6P 146847-16-7P 146847-17-8P
(prepn. and surfactant properties of polymerizable)
RN 136931-77-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]-, ammonium salt (1:1) (CA INDEX NAME)



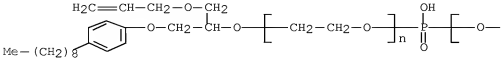
RN 146847-16-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]- (9CI) (CA INDEX NAME)



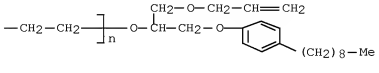
RN 146847-17-8 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]- (CA INDEX NAME)

PAGE 1-A



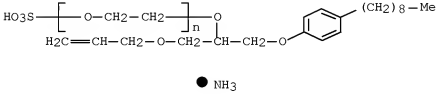
PAGE 1-B



IT 146847-26-9P 146847-31-6P
(prepn. of)
RN 146847-26-9 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy][poly(oxy-1,2-ethanediyl)] ammonium salt (1:1) (CA INDEX NAME)

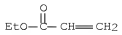
CM 1

CRN 136931-77-6
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI PMS



CM 2

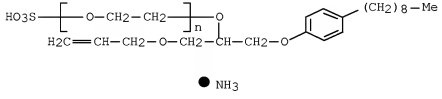
CRN 140-88-5
CMF C5 H8 O2



RN 146847-31-6 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(4-nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (1:1) (CA INDEX NAME)

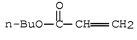
CM 1

CRN 136931-77-6
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



CC 35-2 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 46
IT 136931-77-6P 140651-97-4P 146847-16-7P
146847-17-8P 146847-18-9P 146847-19-0P
(prepn. and surfactant properties of polymerizable)
IT 140651-98-5P 146847-26-9P 146847-28-1P 146847-29-2P
146847-30-5P 146847-31-6P 146847-32-7P
(prepn. of)
OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L39 ANSWER 16 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1992:450024 HCAPLUS Full-text
DOCUMENT NUMBER: 117:50024

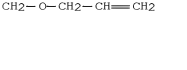
ORIGINAL REFERENCE NO.: 117:8937a,8940a
TITLE: Oriented polyester films containing acrylic resin-treated inorganic particles
INVENTOR(S): Kuze, Katsuro; Matsumoto, Haruo; Murashige, Ryuichi
PATENT ASSIGNEE(S): Toyobo Co., Ltd., Japan; Nippon Magphane Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04039336	A	19920210	JP 1990-145041 <--	19900601
JP 2767485	B2	19980618		
PRIORITY APPLN. INFO.:			JP 1990-145041 <--	19900601

ED Entered STN: 08 Aug 1992
AB The title films contain 0.005-3.0% inert inorg. particles having improved compatibility as a result of treatment with copolymers of .gtoreq.1 monomer H2C:CR1CO2X (R1 = H, Me, HOCH2CH2; X = H, monovalent or divalent metal, ammonium, amine) and .gtoreq.1 allyl ether H2C:CHCH2OCH2[CH[CH2(OR3)rZ]]p(OR2)qY [R2-3 = C2-4 alkylene; Y, Z = OH, C1-4 alkoxy, [monovalent or divalent metal-, ammonium salt-, org. amine (salt)-, or C1-4 alkyl ester-substituted] monovalent phosphate group or sulfate group; Y and Z may form divalent phosphate, sulfonate, or sulfate group]. A mixt. of CaCO3 and 98:2 acrylic acid-H2C:CHCH2OCH2CH[(OCH2CH2)nOPO3H2]CH2(OCH2CH2)nOPO3H2 copolymer was spray dried to prep. a filler, and a polyester was prepd. from terephthalic acid and ethylene glycol in the presence of the filler, giving a product which formed a film having dynamic friction coeff. 0.38, haze 5.7%, and void ratio 0.25%.
IT 142551-11-9 142551-13-1 142551-82-4 142571-36-6
(fillers modified by, for compatibility in oriented polyester films)
RN 142551-11-9 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, sodium salt, polymer with 1-[(2-propenyloxy)methyl]-1,2-ethanediyl bis(hydrogen sulfate) (9CI) (CA INDEX NAME)

CM 1

CRN 142551-10-8
CMF C6 H12 O9 S2



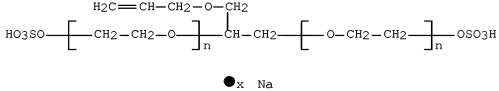
CM 2

CRN 5536-61-8
CMF C4 H6 O2 . Na

RN 142551-13-1 HCAPLUS
CN 2-Propenoic acid, ammonium salt, polymer with .alpha.,.alpha.'-[1-[(2-propenyloxy)methyl]-1,2-ethanediyl]bis[.omega.-(sulfooxy)poly(oxy-1,2-ethanediyl)] sodium salt (9CI) (CA INDEX NAME)

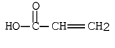
CM 1

CRN 142551-12-0
CMF (C2 H4 O)n (C2 H4 O)n C6 H12 O9 S2 . x Na
CCI PMS



CM 2

CRN 10604-69-0
CMF C3 H4 O2 . H3 N

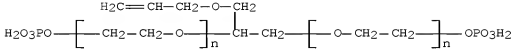


RN 142551-82-4 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.,.alpha.'-[1-[(2-propenyloxy)methyl]-1,2-ethanediyl]bis[.omega.-

(phosphonooxy)poly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

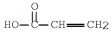
CM 1

CRN 90717-19-4
CMF (C2 H4 O)n (C2 H4 O)n C6 H14 O9 P2
CCI PMS



CM 2

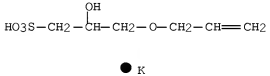
CRN 79-10-7
CMF C3 H4 O2



RN 142571-36-6 HCAPLUS
CN 2-Propenoic acid, sodium salt, polymer with 2-hydroxy-3-(2-propenyloxy)-1-propanesulfonic acid monopotassium salt (9CI) (CA INDEX NAME)

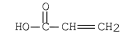
CM 1

CRN 84019-66-9
CMF C6 H12 O5 S . K



CM 2

CRN 7446-81-3
CMF C3 H4 O2 . Na



IPCI C08J0005-18 [ICM,5]; C08K0009-04 [ICS,5]; C08F0216-14 [ICA,5]; C08F0216-16 [ICA,5]; C08L0067-02 [ICA,5]; C08L0067-02 [ICI,5]
IPCR C08J0005-18 [I,A]; B29C0055-02 [I,A]; B29K0067-00 [N,A]; B29L0007-00 [N,A]; C08F0016-14 [I,A]; C08F0016-16 [I,A]; C08F0216-14 [I,A]; C08F0216-16 [I,A]; C08K0009-04 [I,A]; C08L0067-00 [I,A]; C08L0067-02 [I,A]
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38
IT 142551-11-9 142551-13-1 142551-82-4
142551-83-5 142571-36-6
(fillers modified by, for compatibility in oriented polyester films)

L39 ANSWER 17 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1992:428378 HCAPLUS Full-text
DOCUMENT NUMBER: 117:28378
ORIGINAL REFERENCE NO.: 117:5123a,5126a
TITLE: Allyl ether copolymers as coupling agents for inert fillers in oriented polyester films for improving sliding properties
INVENTOR(S): Kuze, Katsuro; Matsumoto, Haruo; Murashige, Ryuichi
PATENT ASSIGNEE(S): Toyobo Co., Ltd., Japan; Nippon Magphane Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04033933	A	19920205	JP 1990-140667 <--	19900529
PRIORITY APPLN. INFO.:			JP 1990-140667 <--	19900529

ED Entered STN: 26 Jul 1992
AB The title couplers are obtained from copolymers of allyl ethers CH2:CHCH2OCH2(ZH)p(OZ1)qR1 [I; Z = C[CH2(OZ2)rR2]; p = 1-4; q, r = 0-100; Z1-2 = C2-4 alkylene; R1-2 = OH, alkoxy, monophosphoric acid, salts or esters, and monosulfonic acid, salts or esters, or R1-2 together can form a divalent similar phosphate and sulfonate group in the above], (meth)acrylic acids, their salts or esters, and unsatd. dicarboxylic acids selected from maleic, fumaric or itaconic acids, their salts or diesters. Thus, mixing an aq. soln. of a 80:18:2 acrylic acid-diammonium maleate-3-allyloxy-1,2- di(polyoxyethylene)propanephosphate (i.e. I, with q, r = .apprx.4) copolymer with CaCO3 in solids wt. ratio 0.005:1, and spray drying gave treated particles. Biaxially oriented PET film contg. 0.25%

of the particles had surface roughness 0.025 .mu.m, dynamic friction coeff. 0.37 .mu.d, haze 5.0%, void ratio 0.17%, and no. of broken void 0.05/mm2, compared to 0.020, 0.43, 13.2, 1.35, and 1.2, resp. for similar film contg. fillers without the I treatment.

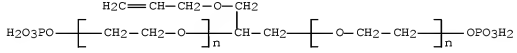
IT 142357-64-0 142357-65-1 142357-67-3
(couplers, for inert fillers in polyester films for tapes, for improved sliding properties)

RN 142357-64-0 HCAPLUS

CN 2-Butenedioic acid (2Z)-, diammonium salt, polymer with 2-propenoic acid and .alpha.,.alpha.'-[1-[(2-propenyloxy)methyl]-1,2-ethanediyl]bis[.omega.-(phosphonooxy)poly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

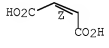
CRN 90717-19-4
CMF (C2 H4 O)n (C2 H4 O)n C6 H14 O9 P2
CCI PMS



CM 2

CRN 23705-99-9
CMF C4 H4 O4 . 2 H3 N

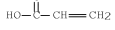
Double bond geometry as shown.



●2 NH_3

CM 3

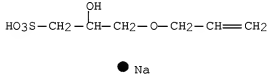
CRN 79-10-7
CMF C3 H4 O2



RN 142357-65-1 HCAPLUS
CN 2-Butenedioic acid (2E)-, disodium salt, polymer with 2-hydroxy-3-(2-propenyloxy)-1-propanesulfonic acid monosodium salt and sodium 2-propenoate (9CI) (CA INDEX NAME)

CM 1

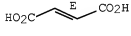
CRN 52556-42-0
CMF C6 H12 O5 S . Na



CM 2

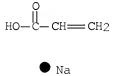
CRN 17013-01-3
CMF C4 H4 O4 . 2 Na

Double bond geometry as shown.



CM 3

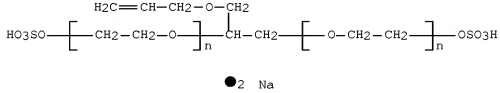
CRN 7446-81-3
CMF C3 H4 O2 . Na



RN 142357-67-3 HCAPLUS
CN 2-Butenedioic acid (2Z)-, disodium salt, polymer with 2-propenoic acid and .alpha.,.alpha.'-[1-[(2-propenyloxy)methyl]-1,2-ethanediyl]bis[.omega.-(sulfooxy)poly(oxy-1,2-ethanediyl)] disodium salt (9CI) (CA INDEX NAME)

CM 1

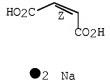
CRN 142357-66-2
CMF (C2 H4 O)n (C2 H4 O)n C6 H12 O9 S2 . 2 Na
CCI PMS



CM 2

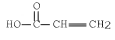
CRN 371-47-1
CMF C4 H4 O4 . 2 Na

Double bond geometry as shown.



CM 3

CRN 79-10-7
CMF C3 H4 O2



IPCI C08J0005-18 [ICM,5]; C08K0009-04 [ICS,5]; C08L0067-02 [ICS,5]; C08L0067-00 [ICI,5]
IPCR C08J0005-18 [I,A]; C08K0009-04 [I,A]; C08L0067-00 [I,A]; C08L0067-02 [I,A]
CC 38-3 (Plastics Fabrication and Uses)
IT 142357-64-0 142357-65-1 142357-67-3
(couplers, for inert fillers in polyester films for tapes, for improved sliding properties)

L39 ANSWER 18 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1988:133883 HCAPLUS Full-text
DOCUMENT NUMBER: 108:133883
ORIGINAL REFERENCE NO.: 108:21953a,21956a
TITLE: Surface-active compounds having a polymerizable moiety from allyl glycidyl ether
INVENTOR(S): Yokota, Kinya; Ichihara, Akinobu
PATENT ASSIGNEE(S): Daiichi Kogyo Seiyaku Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 19 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 244841	A2	19871111	EP 1987-106533 <--	19870506
EP 244841	A3	19890607		
EP 244841	B1	19920318		
R: DE, FR, GB				
JP 63054927	A	19880309	JP 1986-105119 <--	19860507
JP 63054928	A	19880309	JP 1986-118956 <--	19860522
JP 63054929	A	19880309	JP 1986-121954 <--	19860526
JP 62279833	A	19871204	JP 1986-124305 <--	19860528
JP 63080837	A	19880411	JP 1986-127006 <--	19860530
JP 02022695	B	19900521		
US 4814514	A	19890321	US 1987-46353 <--	19870506
JP 63126535	A	19880530	JP 1987-198778 <--	19870807
JP 05076335	B	19931022		
JP 63214336	A	19880907	JP 1987-198779 <--	19870807
JP 04068013	B	19921030		
JP 63199271	A	19880817	JP 1987-208689 <--	19870821
JP 2589502	B2	19970312		
JP 63203872	A	19880823	JP 1987-208690 <--	19870821
JP 04002714	B	19920120		

JP 63205384	A	19880824	JP 1987-208691 <--		19870821
JP 05015753	B	19930302			
US 4939283	A	19900703	US 1988-284588 <--		19881215
PRIORITY APPLN. INFO.:			JP 1986-105119 <--	A	19860507
			JP 1986-118956 <--	A	19860522
			JP 1986-121954 <--	A	19860526
			JP 1986-124305 <--	A	19860528
			JP 1986-127006 <--	A	19860530
			US 1987-46353 <--	A3	19870506

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 15 Apr 1988

AB Surfactants R1O(AO)xCH2CH[O(AO)yH]CH2OCH2CR2:CH2 (R1 = alkyl, alkenyl, alkyl aryl, or arylakylaryl contg. 8-30 C; R2 = H or Me; A = C2-4 alkylene; x = 0-100; y = 1-200) and their sulfate, phosphate, and sulfosuccinate esters are prepd. The surfactants are useful as emulsifiers in the emulsion or suspension polymn. of ethylenically unsatd. monomers, as finishing agents for hydrophobic textiles, as antistatic agents for plastics, as pigment dispersants, etc. A reaction product of 1.0 mol nonylphenol and 1.0 mol allyl glycidyl ether was ethoxylated with 10 mol oxirane and used as a copolymerizable emulsifier in the polymn. of a Bu acrylate-styrene mixt., giving a stable emulsion which was dried and cured at 110.degree. to give a water-resistant coating.

IT 113356-42-6P 113356-44-8P 113356-45-9P
113377-36-9P 113377-37-0P
113377-38-1P 113377-63-2P 113405-84-8P
113405-85-9P 113405-86-0P 113405-87-1P
113441-08-0P
(prepn. and surface activity of)

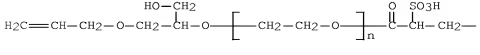
RN 113356-42-6 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane, bis(1-phenylethyl)phenyl 2-hydroxy-3-(2-propenyloxy)propyl ether, diether with .alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], sodium salt, block (9CI) (CA INDEX NAME)

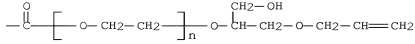
CM 1

CRN 177072-56-9
CMF (C2 H4 O)n (C2 H4 O)n C16 H26 O11 S
CCI PMS

PAGE 1-A

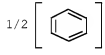


PAGE 1-B

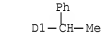


CM 2

CRN 25640-70-4
CMF C22 H22 O
CCI IDS



1/2 (D1—OH)



CM 3

CRN 106392-12-5
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

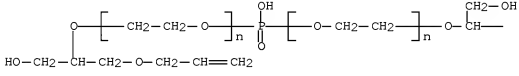
CRN 75-21-8
CMF C2 H4 O

RN 113356-44-8 HCAPLUS
CN Oxirane, methyl-, polymer with oxirane, bis(1-phenylethyl)phenyl 2-hydroxy-3-(2-propenyloxy)propyl ether, diether with .alpha.,.alpha.'-phosphinicobis[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

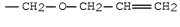
CM 1

CRN 177072-59-2
CMF (C2 H4 O)n (C2 H4 O)n C12 H23 O8 P
CCI PMS

PAGE 1-A

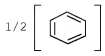


PAGE 1-B

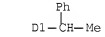


CM 2

CRN 25640-70-4
CMF C22 H22 O
CCI IDS



1/2 (D1—OH)



CM 3

CRN 106392-12-5
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 4

CRN 75-56-9
CMF C3 H6 O

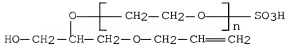
CM 5

CRN 75-21-8
CMF C2 H4 O

RN 113356-45-9 HCAPLUS
CN Oxirane, methyl-, polymer with oxirane, bis(1-phenylethyl)phenyl 2-hydroxy-3-(2-propenyloxy)propyl ether, ether with .alpha.-sulfo-.omega.-hydroxypoly(oxy-1,2-ethanediyl), ammonium salt, block (9CI) (CA INDEX NAME)

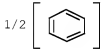
CM 1

CRN 177072-60-5
CMF (C2 H4 O)n C6 H12 O6 S
CCI PMS



CM 2

CRN 25640-70-4
CMF C22 H22 O
CCI IDS



1/2 (D1—OH)

CM 3

CRN 106392-12-5
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

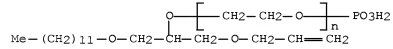
CM 4

CRN 75-56-9
CMF C3 H6 O

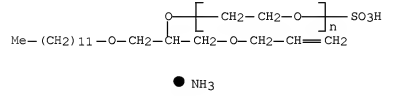
CM 5

CRN 75-21-8
CMF C2 H4 O

RN 113377-36-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]- (9CI) (CA INDEX NAME)

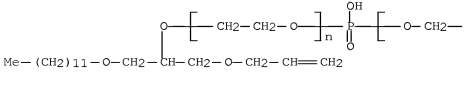


RN 113377-37-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]-, ammonium salt (9CI) (CA INDEX NAME)

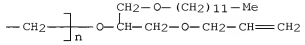


RN 113377-38-1 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A

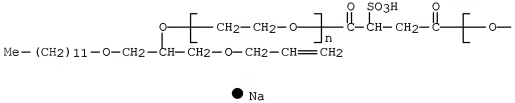


PAGE 1-B

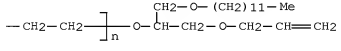


RN 113377-63-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt (9CI) (CA INDEX NAME)

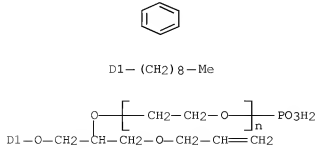
PAGE 1-A



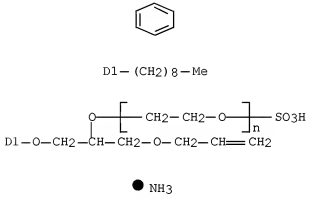
PAGE 1-B



RN 113405-84-8 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]- (9CI) (CA INDEX NAME)



RN 113405-85-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]-, ammonium salt (1:1) (CA INDEX NAME)



RN 113405-86-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]- (9CI) (CA INDEX NAME)

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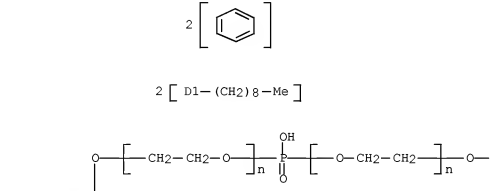

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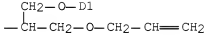
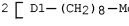
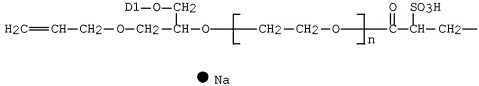
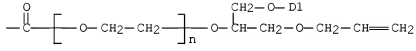


RN 113405-87-1 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]-, sodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



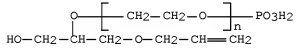




RN 113441-08-0 HCAPLUS
CN Oxirane, methyl-, polymer with oxirane, bis(1-phenylethyl)phenyl 2-hydroxy-3-(2-propenyloxy)propyl ether, ether with .alpha.-phosphono-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

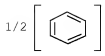
CM 1

CRN 177072-61-6
CMF (C2 H4 O)n C6 H13 O6 P
CCI PMS

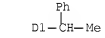


CM 2

CRN 25640-70-4
CMF C22 H22 O
CCI IDS



1/2 (D1—OH)



CM 3

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 4

CRN 75-56-9
CMF C3 H6 O

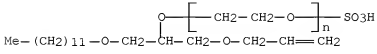
CM 5

CRN 75-21-8
CMF C2 H4 O

IT 113377-23-4P 113377-49-4P 113377-64-3P
(prepn. of self-emulsifiable, as adhesives)
RN 113377-23-4 HCAPLUS
CN Acetic acid ethenyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 113377-37-0
CMF (C2 H4 O)n C18 H36 O6 S . H3 N
CCI PMS



CM 2

CRN 108-05-4
CMF C4 H6 O2

RN 113377-49-4 HCAPLUS
CN Acetic acid ethenyl ester, polymer with .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] and .alpha.-phosphono-.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 113377-38-1
CMF (C2 H4 O)n (C2 H4 O)n C36 H71 O8 P
CCI PMS

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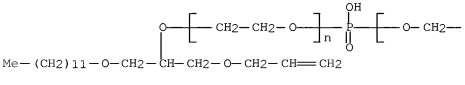
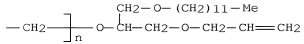
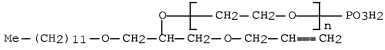




CM 2

CRN 113377-36-9
CMF (C2 H4 O)n C18 H37 O6 P
CCI PMS



CM 3

CRN 108-05-4
CMF C4 H6 O2

RN 113377-64-3 HCAPLUS
CN Acetic acid ethenyl ester, polymer with .alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-[1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 113377-63-2
CMF (C2 H4 O)n (C2 H4 O)n C40 H74 O11 S . Na
CCI PMS

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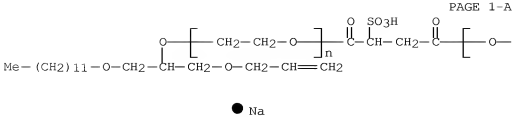

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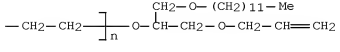
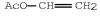


CM 2

CRN 108-05-4
CMF C4 H6 O2

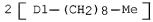


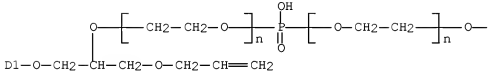
IT 113405-89-3P 113405-90-6P 113405-92-8P
113405-93-9P 113405-95-1P 113405-96-2P
113405-97-3P 113405-98-4P 113405-99-5P
113431-93-9P 113431-94-0P
(prepn. of self-emulsifiable, as coating materials)
RN 113405-89-3 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] and .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 113405-86-0
CMF (C2 H4 O)n (C2 H4 O)n C42 H67 O8 P
CCI IDS, PMS

PAGE 1-A





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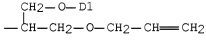
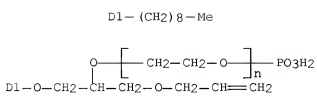


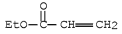
CM 2

CRN 113405-84-8
CMF (C2 H4 O)n C21 H35 O6 P
CCI IDS, PMS



CM 3

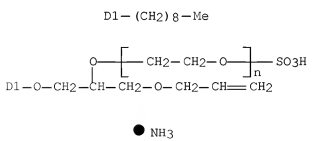
CRN 140-88-5
CMF C5 H8 O2



RN 113405-90-6 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

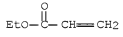
CM 1

CRN 113405-85-9
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



CM 2

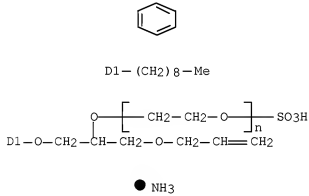
CRN 140-88-5
CMF C5 H8 O2



RN 113405-92-8 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

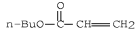
CM 1

CRN 113405-85-9
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



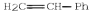
CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

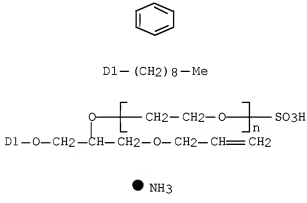
CRN 100-42-5
CMF C8 H8



RN 113405-93-9 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene, .alpha.-[1-[(nonylphenoxy)ethyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

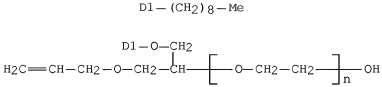
CM 1

CRN 113405-85-9
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



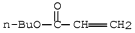
CM 2

CRN 111144-60-6
CMF (C2 H4 O)n C21 H34 O3
CCI IDS, PMS



CM 3

CRN 141-32-2
CMF C7 H12 O2



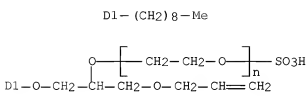
CM 4

CRN 100-42-5
CMF C8 H8

RN 113405-95-1 HCAPLUS
CN 2-Propenoic acid, methyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

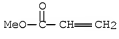
CM 1

CRN 113405-85-9
CMF (C2 H4 O)n C21 H34 O6 S . H3 N
CCI IDS, PMS



CM 2

CRN 96-33-3
CMF C4 H6 O2

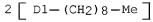


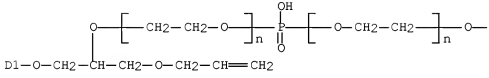
RN 113405-96-2 HCAPLUS
CN 2-Propenoic acid, methyl ester, polymer with .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] and .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 113405-86-0
CMF (C2 H4 O)n (C2 H4 O)n C42 H67 O8 P
CCI IDS, PMS

PAGE 1-A





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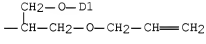
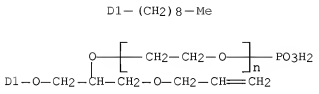


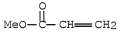
CM 2

CRN 113405-84-8
CMF (C2 H4 O)n C21 H35 O6 P
CCI IDS, PMS



CM 3

CRN 96-33-3
CMF C4 H6 O2

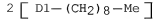


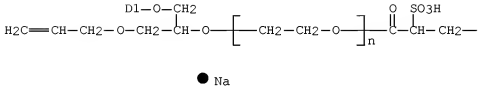
RN 113405-97-3 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with .alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] sodium salt (9CI) (CA INDEX NAME)

CM 1

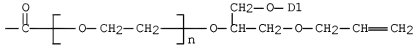
CRN 113405-87-1
CMF (C2 H4 O)n (C2 H4 O)n C46 H70 O11 S . Na
CCI IDS, PMS

PAGE 1-A



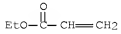


PAGE 1-B



CM 2

CRN 140-88-5
CMF C5 H8 O2



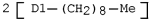
RN 113405-98-4 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with

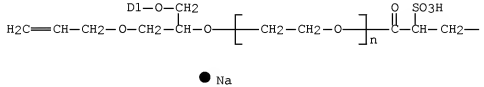
.alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] sodium salt and ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

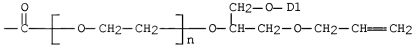
CRN 113405-87-1
CMF (C2 H4 O)n (C2 H4 O)n C46 H70 O11 S . Na
CCI IDS, PMS

PAGE 1-A



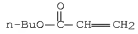


PAGE 1-B



CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

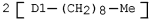
CRN 100-42-5
CMF C8 H8

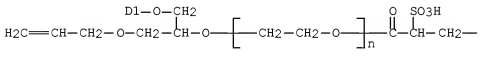
RN 113405-99-5 HCAPLUS
CN 2-Propenoic acid, methyl ester, polymer with .alpha.,.alpha.'-(1,4-dioxo-2-sulfo-1,4-butanediyl)bis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl)] sodium salt (9CI) (CA INDEX NAME)

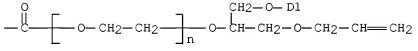
CM 1

CRN 113405-87-1
CMF (C2 H4 O)n (C2 H4 O)n C46 H70 O11 S . Na
CCI IDS, PMS

PAGE 1-A

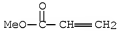






CM 2

CRN 96-33-3
CMF C4 H6 O2

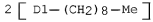


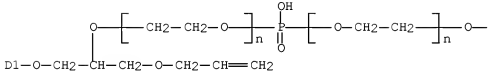
RN 113431-93-9 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene, .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]poly(oxy-1,2-ethanediyl)] and .alpha.-phosphono-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

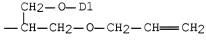
CRN 113405-86-0
CMF (C2 H4 O)n (C2 H4 O)n C42 H67 O8 P
CCI IDS, PMS

PAGE 1-A



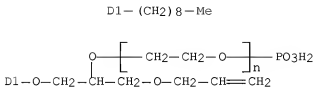


PAGE 1-B



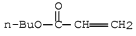
CM 2

CRN 113405-84-8
CMF (C2 H4 O)n C21 H35 O6 P
CCI IDS, PMS



CM 3

CRN 141-32-2
CMF C7 H12 O2



CM 4

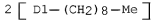
CRN 100-42-5
CMF C8 H8

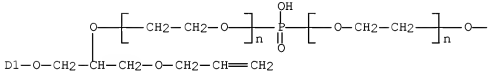
RN 113431-94-0 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.,.alpha.'-phosphinicobis[.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]poly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

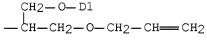
CRN 113405-86-0
CMF (C2 H4 O)n (C2 H4 O)n C42 H67 O8 P
CCI IDS, PMS

PAGE 1-A



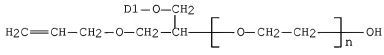


PAGE 1-B



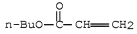
CM 2

CRN 111144-60-6
CMF (C2 H4 O)n C21 H34 O3
CCI IDS, PMS



CM 3

CRN 141-32-2
CMF C7 H12 O2



CM 4

CRN 100-42-5
CMF C8 H8

IPCI C07C0043-23 [ICM,4]; C07C0043-178 [ICS,4]; C07C0141-08 [ICS,4]; C07C0143-12 [ICS,4]; C07F0009-09 [ICS,4]; C08G0065-28 [ICS,4]; C08F0002-24 [ICS,4]
IPCR B01F0017-00 [I,A]; C07C0043-11 [I,A]; C07C0043-178 [I,A]; C07C0043-23 [I,A]; C07C0305-06 [I,A]; C07C0305-10 [I,A]; C07C0309-17 [I,A]; C07F0009-09 [I,A]; C08F0002-26 [I,A]; C08G0065-26 [I,A]; C08G0065-327 [I,A]; C08G0065-334 [I,A]
CC 46-4 (Surface Active Agents and Detergents)
Section cross-reference(s): 35, 37, 38, 40, 42
IT 111100-57-3P 111144-60-6P 113356-42-6P 113356-43-7P 113356-44-8P 113356-45-9P 113356-46-0P 113356-47-1P 113356-48-2P 113356-49-3P 113356-50-6P 113356-51-7P 113356-52-8P 113377-36-9P 113377-37-0P 113377-38-1P 113377-63-2P 113405-81-5P 113405-83-7P 113405-84-8P 113405-85-9P 113405-86-0P 113405-87-1P

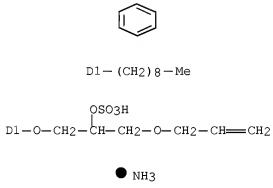
113405-88-2P 113431-90-6P 113441-08-0P 113441-10-4P
(prepn. and surface activity of)
IT 113377-23-4P 113377-48-3P 113377-49-4P
113377-64-3P 113472-80-3P
(prepn. of self-emulsifiable, as adhesives)
IT 111144-66-2P 111144-70-8P 113405-89-3P
113405-90-6P 113405-91-7P 113405-92-8P
113405-93-9P 113405-94-0P 113405-95-1P
113405-96-2P 113405-97-3P 113405-98-4P
113405-99-5P 113431-93-9P 113431-94-0P
113473-94-2P 113473-95-3P 113473-96-4P
(prepn. of self-emulsifiable, as coating materials)
OS.CITING REF COUNT: 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)

L39 ANSWER 19 OF 19 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1987:599133 HCAPLUS Full-text
DOCUMENT NUMBER: 107:199133
ORIGINAL REFERENCE NO.: 107:31967a,31970a
TITLE: Emulsifiers for emulsion polymerization
INVENTOR(S): Oka, Masashi; Komiya, Kaoru
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

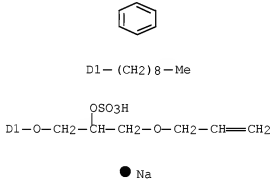
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62104802	A	19870515	JP 1986-171816 <--	19860723
JP 05075001	B	19931019		
JP 07165806	A	19950627	JP 1994-210055 <--	19940902
JP 07165807	A	19950627	JP 1994-210056 <--	19940902
PRIORITY APPLN. INFO.:			JP 1985-162055 <--	A1 19850724

ED Entered STN: 27 Nov 1987
AB The reactive title emulsifiers CH2:CRCH2OCH2CH(OX)CH2O(AO)nR1 (A = C2-4 alkylene; R = H, Me; R1 = C8-24 hydrocarbyl, acyl; n = 0-50; X = H, nonionic or nonionic hydrophilic group). Thus, nonylphenol was treated with allyl glycidyl ether in the presence of NaOH at 90.degree. for 5 h and ethoxylated to give an emulsifier (I). A soln. was prepd. from 80 g Et acrylate and 4 g I, and 8.4 g of this soln. was heated to 50.degree. with 0.08 g K2S2O8 and 0.04 g NaHSO4 in 120 g water to initiate the polymn., treated over 2 h with the remaining monomer soln. and further polymd. for 2 h to give a stable emulsion forming water-, weather- and heat-resistant films.
IT 111115-38-9 111115-40-3 111123-58-1
111123-59-2 111123-61-6 111123-62-7
111123-64-9 111123-65-0 111144-58-2
111144-59-3
(emulsifiers, reactive, for acrylic emulsion polymn.)
RN 111115-38-9 HCAPLUS

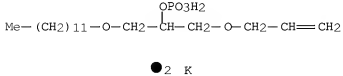
CN 2-Propanol, 1-(nonylphenoxy)-3-(2-propenyloxy)-, hydrogen sulfate, ammonium salt (9CI) (CA INDEX NAME)



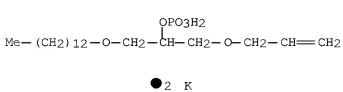
RN 111115-40-3 HCAPLUS
CN 2-Propanol, 1-(nonylphenoxy)-3-(2-propenyloxy)-, hydrogen sulfate, sodium salt (9CI) (CA INDEX NAME)



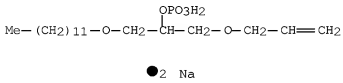
RN 111123-58-1 HCAPLUS
CN 2-Propanol, 1-(dodecyloxy)-3-(2-propenyloxy)-, dihydrogen phosphate, dipotassium salt (9CI) (CA INDEX NAME)



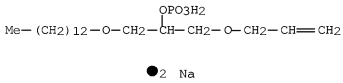
RN 111123-59-2 HCAPLUS
CN 2-Propanol, 1-(2-propenyloxy)-3-(tridecyloxy)-, dihydrogen phosphate, dipotassium salt (9CI) (CA INDEX NAME)



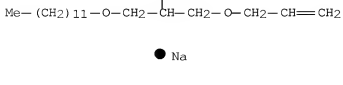
RN 111123-61-6 HCAPLUS
CN 2-Propanol, 1-(dodecyloxy)-3-(2-propenyloxy)-, dihydrogen phosphate, disodium salt (9CI) (CA INDEX NAME)



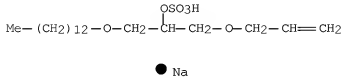
RN 111123-62-7 HCAPLUS
CN 2-Propanol, 1-(2-propenyloxy)-3-(tridecyloxy)-, dihydrogen phosphate, disodium salt (9CI) (CA INDEX NAME)



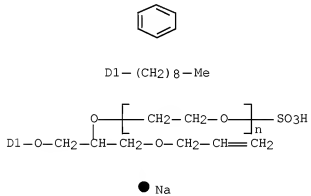
RN 111123-64-9 HCAPLUS
CN 2-Propanol, 1-(dodecyloxy)-3-(2-propen-1-yloxy)-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



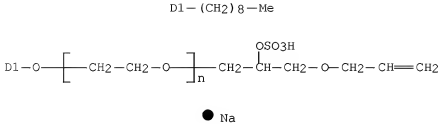
RN 111123-65-0 HCAPLUS
CN 2-Propanol, 1-(2-propen-1-yloxy)-3-(tridecyloxy)-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



RN 111144-58-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propen-1-yloxy)ethoxy]-, sodium salt (1:1) (CA INDEX NAME)



RN 111144-59-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-[3-(2-propenyloxy)-2-(sulfooxy)propyl]-.omega.-(nonylphenoxy)-, sodium salt (9CI) (CA INDEX NAME)



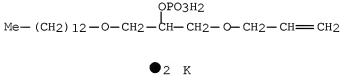
IT 111123-60-5 111123-63-8 111123-66-1
111123-67-2 111123-68-3 111123-69-4
111144-68-4 111144-69-5 111144-72-0
111144-73-1 111165-72-1 111165-73-2
111165-74-3 111165-75-4
(emulsions, self-emulsifying, for water-, weather- and heat-resistant films)

RN 111123-60-5 HCAPLUS

CN 2-Propenoic acid, butyl ester, polymer with 1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethyl dipotassium phosphate, ethenylbenzene and 1-[(2-propenyloxy)methyl]-2-(tridecyloxy)ethyl dipotassium phosphate (9CI) (CA INDEX NAME)

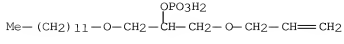
CM 1

CRN 111123-59-2
CMF C19 H39 O6 P . 2 K



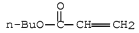
CM 2

CRN 111123-58-1
CMF C18 H37 O6 P . 2 K



CM 3

CRN 141-32-2
CMF C7 H12 O2



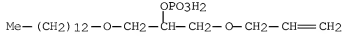
CM 4

CRN 100-42-5
CMF C8 H8

RN 111123-63-8 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with disodium 1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethyl phosphate, disodium 1-[(2-propenyloxy)methyl]-2-(tridecyloxy)ethyl phosphate and ethenylbenzene (9CI) (CA INDEX NAME)

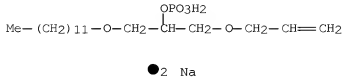
CM 1

CRN 111123-62-7
CMF C19 H39 O6 P . 2 Na



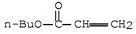
CM 2

CRN 111123-61-6
CMF C18 H37 O6 P . 2 Na



CM 3

CRN 141-32-2
CMF C7 H12 O2



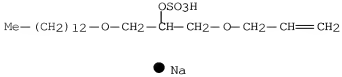
CM 4

CRN 100-42-5
CMF C8 H8

RN 111123-66-1 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene, sodium 1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethyl sulfate and sodium 1-[(2-propenyloxy)methyl]-2-(tridecyloxy)ethyl sulfate (9CI) (CA INDEX NAME)

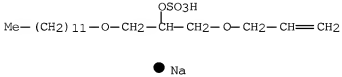
CM 1

CRN 111123-65-0
CMF C19 H38 O6 S . Na



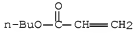
CM 2

CRN 111123-64-9
CMF C18 H36 O6 S . Na



CM 3

CRN 141-32-2
CMF C7 H12 O2



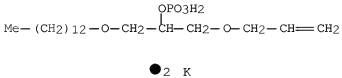
CM 4

CRN 100-42-5
CMF C8 H8

RN 111123-67-2 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with dipotassium 1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethyl phosphate and dipotassium 1-[(2-propenyloxy)methyl]-2-(tridecyloxy)ethyl phosphate (9CI) (CA INDEX NAME)

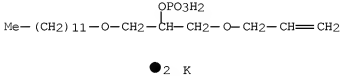
CM 1

CRN 111123-59-2
CMF C19 H39 O6 P . 2 K



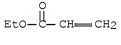
CM 2

CRN 111123-58-1
CMF C18 H37 O6 P . 2 K



CM 3

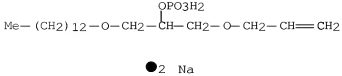
CRN 140-88-5
CMF C5 H8 O2



RN 111123-68-3 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with disodium 1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethyl phosphate and disodium 1-[(2-propenyloxy)methyl]-2-(tridecyloxy)ethyl phosphate (9CI) (CA INDEX NAME)

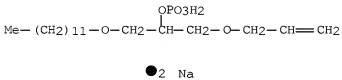
CM 1

CRN 111123-62-7
CMF C19 H39 O6 P . 2 Na



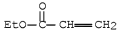
CM 2

CRN 111123-61-6
CMF C18 H37 O6 P . 2 Na



CM 3

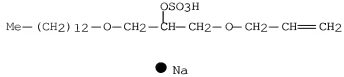
CRN 140-88-5
CMF C5 H8 O2



RN 111123-69-4 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with sodium 1-[(dodecyloxy)methyl]-2-(2-propenyloxy)ethyl sulfate and sodium 1-[(2-propenyloxy)methyl]-2-(tridecyloxy)ethyl sulfate (9CI) (CA INDEX NAME)

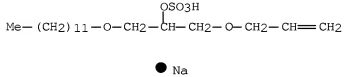
CM 1

CRN 111123-65-0
CMF C19 H38 O6 S . Na



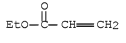
CM 2

CRN 111123-64-9
CMF C18 H36 O6 S . Na



CM 3

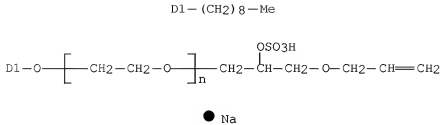
CRN 140-88-5
CMF C5 H8 O2



RN 111144-68-4 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with .alpha.-[3-(2-propenyloxy)-2-(sulfooxy)propyl]-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl) sodium salt (9CI) (CA INDEX NAME)

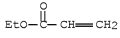
CM 1

CRN 111144-59-3
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

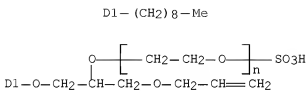
CRN 140-88-5
CMF C5 H8 O2



RN 111144-69-5 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) sodium salt (9CI) (CA INDEX NAME)

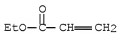
CM 1

CRN 111144-58-2
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

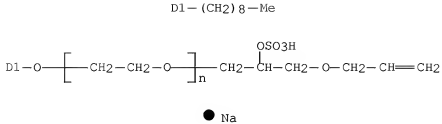
CRN 140-88-5
CMF C5 H8 O2



RN 111144-72-0 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and .alpha.-[3-(2-propenyloxy)-2-(sulfooxy)propyl]-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl) sodium salt (9CI) (CA INDEX NAME)

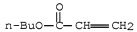
CM 1

CRN 111144-59-3
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



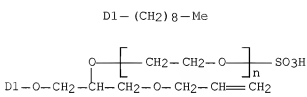
CM 3

CRN 100-42-5
CMF C8 H8

RN 111144-73-1 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) sodium salt (9CI) (CA INDEX NAME)

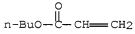
CM 1

CRN 111144-58-2
CMF (C2 H4 O)n C21 H34 O6 S . Na
CCI IDS, PMS



CM 2

CRN 141-32-2
CMF C7 H12 O2



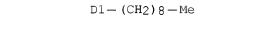
CM 3

CRN 100-42-5
CMF C8 H8

RN 111165-72-1 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ammonium 1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl sulfate and ethenylbenzene (9CI) (CA INDEX NAME)

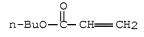
CM 1

CRN 111115-38-9
CMF C21 H34 O6 S . H3 N
CCI IDS



CM 2

CRN 141-32-2
CMF C7 H12 O2



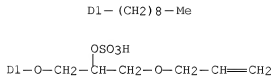
CM 3

CRN 100-42-5
CMF C8 H8

RN 111165-73-2 HCAPLUS
CN 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and sodium 1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl sulfate (9CI) (CA INDEX NAME)

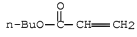
CM 1

CRN 111115-40-3
CMF C21 H34 O6 S . Na
CCI IDS



CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

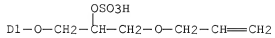
CRN 100-42-5
CMF C8 H8

RN 111165-74-3 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with ammonium 1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 111115-38-9
CMF C21 H34 O6 S . H3 N
CCI IDS

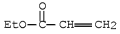
D1— (CH2)8 —Me



● NH3

CM 2

CRN 140-88-5
CMF C5 H8 O2

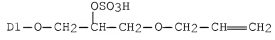


RN 111165-75-4 HCAPLUS
CN 2-Propenoic acid, ethyl ester, polymer with sodium 1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 111115-40-3
CMF C21 H34 O6 S . Na
CCI IDS

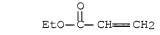
D1— (CH2)8 —Me



● Na

CM 2

CRN 140-88-5
CMF C5 H8 O2



IPCI C08F0002-24 [ICM,4]; B01F0017-42 [ICS,4]
IPCR B01F0017-42 [I,A]; B01F0017-00 [I,A]; C08F0002-24 [I,A]; C08F0216-14 [N,A]; C08F0230-02 [N,A]
CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 46
IT 25322-68-3D, ethers with secondary alcs., allyl derivs. 111100-57-3
111100-58-4 111115-38-9 111115-40-3
111123-58-1 111123-59-2 111123-61-6
111123-62-7 111123-64-9 111123-65-0
111144-58-2 111144-59-3 111144-60-6
111144-61-7
(emulsifiers, reactive, for acrylic emulsion polymn.)
IT 111100-59-5 111100-60-8 111123-60-5
111123-63-8 111123-66-1 111123-67-2
111123-68-3 111123-69-4 111144-66-2
111144-67-3 111144-68-4 111144-69-5
111144-70-8 111144-71-9 111144-72-0
111144-73-1 111165-72-1 111165-73-2
111165-74-3 111165-75-4
(emulsions, self-emulsifying, for water-, weather- and heat-resistant films)
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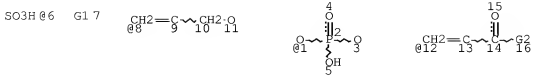

G3 17

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VAR G2=O/N/S
VAR G3=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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L10               STR
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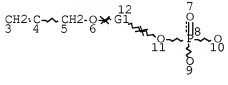


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REP G1=(1-20) 13
NODE ATTRIBUTES:
NSPEC    IS RC     AT  13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
L12          797 SEA FILE=REGISTRY SUB=L7 SSS FUL L10
L16               STR
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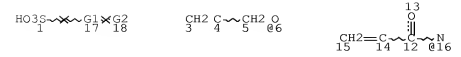
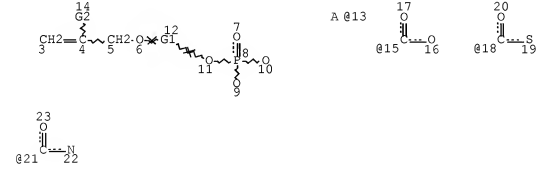


REP G1=(1-20) 19
VAR G2=6/16
NODE ATTRIBUTES:
NSPEC IS RC AT 19
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L18	13442	SEA FILE=REGISTRY SUB=L7 SSS FUL L16
L20	14	SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L12 AND L18
L21	8	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L20
L22	400	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L12
L23	13991	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L18
L25	58	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L22 AND PHARM?/SC, SX
L26	44	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L25 AND (1802-2003)/PRY,AY,PY
L27	37	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L22 AND L23
L28	20	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L27 AND (1802-2003)/PRY,AY,PY
L29	2	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L21 AND (1802-2003)/PRY,AY,PY
L30	20	SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 OR L29
L33		STR



REP G1=(1-20) 13
VAR G2=15/18/21/COOH/SO3H
NODE ATTRIBUTES:
NSPEC IS RC AT 13

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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  21

STEREO ATTRIBUTES: NONE
L35          24 SEA FILE=REGISTRY SUB=L12 SSS FUL L33
L37           8 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L35
L38           3 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L37 AND (1802-2003
                )/PRY,AY,PY
L39          19 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L30 NOT L38
L40             STR
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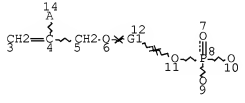


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REP G1=(1-20) 13
NODE ATTRIBUTES:
NSPEC    IS RC     AT  13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  12

STEREO ATTRIBUTES: NONE
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L43          30 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L42
L45          15 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L43 AND (1802-2003
                )/PRY,AY,PY
L46          54 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L45 OR L26
L47          48 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L46 NOT (38 OR
                L39)
L48          39 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L47 AND PHARM?/SC,
                SX


=> d l48 1-39 ibib ed abs fhitstr hitind

L48  ANSWER 1 OF 39  HCAPLUS  COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER:         2010:1405036  HCAPLUS  Full-text
DOCUMENT NUMBER:          153:618952
TITLE:                    Novel hexahydropyrazinotriazinedione compounds of
                          reverse turn mimetics and their preparation and
                          use thereof
INVENTOR(S):              Chung, Jae Uk; Jung, Kyung-Yun; Jeong, Min-Wook;
                          Jung, Hee-Kyung; La, Hyun-Ju
```

PATENT ASSIGNEE(S): Choongwae Pharma Corporation, S. Korea
SOURCE: U.S. Pat. Appl. Publ., 320 pp., Cont.-in-part of U. S. Ser. No. 974,941.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 11
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20100286094	A1	20101111	US 2010-738066 <--	20100723
US 8080657	B2	20111220		
WO 2003031448	A1	20030417	WO 2002-KR1901 <--	20021011
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 153:618952
ED Entered STN: 12 Nov 2010
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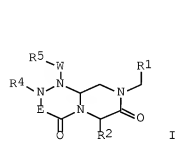

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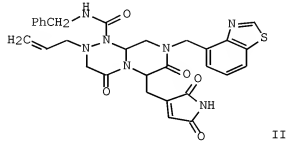


II

AB Conformationally constrained compds. of formula I that mimic the secondary structure of reverse-turn regions of biol. active peptides and proteins and having bicyclic framework are disclosed, as well as their prodrugs. Compds. of formula I wherein E is CO, CHR3 and NR3; W is CO, CONH, CO2, COS, SO2 and a bond; R1 is (un)substituted (hetero)aryl; R2, R3, R4 and R5 are independently an amino acid side chain moiety or an amino acid side chain deriv. and stereoisomers, mixt. of stereoisomers and pharmaceutically acceptable salts thereof, are claimed. Such reverse-turn mimetic structures and prodrugs have utility over a wide range of fields, including use as diagnostic and therapeutic agents. The invention also relates to a use of such compds. for the prepn. of a medicament for treating or

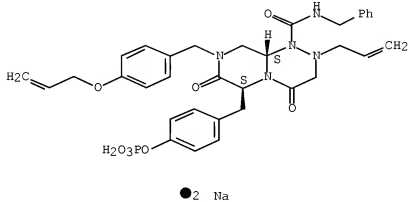
preventing cancer including an acute myeloid leukemia. Example compd. II was prepd. by a general procedure (general procedure given). All the invention compds. were evaluated for their CYP3A4 inhibitory activity (some data given).

IT 1145676-59-0P
(drug candidate; prepn. of hexahydropyrazinotriazinedione compds. as CYP3A4 inhibitors useful as reverse turn mimetics and in the treatment of cancer)

RN 1145676-59-0 HCAPLUS

CN 2H-Pyrazino[2,1-c][1,2,4]triazine-1(6H)-carboxamide, hexahydro-4,7-dioxo-N-(phenylmethyl)-6-[[4-(phosphonooxy)phenyl]methyl]-2-(2-propen-1-yl)-8-[[4-(2-propen-1-yloxy)phenyl]methyl]-, sodium salt (1:2), (6S,9aS)- (CA INDEX NAME)

Absolute stereochemistry.



●2 Na

INCL 514081000; 544184000; 544112000; 514243000; 514233200

IPCI A61K0031-53 [I,A]; C07D0487-04 [I,A]; A61K0031-5377 [I,A]; A61K0031-675 [I,A]; A61P0035-02 [I,A]; C07D0487-04 [I,A]; A61K0031-53 [I,A]; A61P0035-00 [I,A]

NCL 514/081.000; 514/233.200; 514/243.000; 544/112.000; 544/184.000

CC 28-19 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 34, 63

IT

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(drug candidate; prepn. of hexahydropyrazinotriazinedione compds. as CYP3A4 inhibitors useful as reverse turn mimetics and in the treatment of cancer)

L48 ANSWER 2 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2010:261208 HCAPLUS Full-text
DOCUMENT NUMBER: 152:335464
TITLE: Reverse-turn mimetics for treatment of cancer and rheumatoid arthritis
INVENTOR(S): Moon, Sung Hwan; Chung, Jae Uk; Lee, Sung Chan; Eguchi, Masakatsu; Kahn, Michael; Jeong, Kwang Won; Nguyen, Cu; Lee, Soo Jin

PATENT ASSIGNEE(S): Choongwae Pharma Corp., S. Korea
SOURCE: U.S., 1320 pp., Cont.-in-part of U.S. Ser. No. 108,164.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 11
PATENT INFORMATION:

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 152:335464; MARPAT 152:335464
ED Entered STN: 03 Mar 2010
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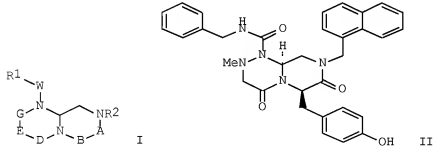


I II

AB The invention discloses conformationally-constrained compds. I [A is CO; B is CHR4; D is CO; E is Z-R6; G is X-R7; W is CONH, COO, COS, SO2 or null; Z = CH; X = N; R1-2, R4, R6-7 are the same or different and independently selected from an amino acid side chain or deriv.], their stereoisomers and pharmaceutically acceptable

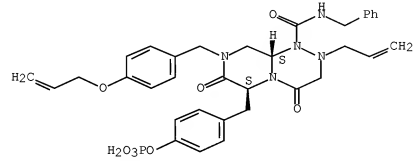
salts that mimic the secondary structure of reverse-turn regions of biol. active peptides and proteins and have utility over a wide range of fields, including use as diagnostic and therapeutic agents. Libraries contg. the reverse-turn mimetic structures of this invention are also disclosed as well as methods for screening them to identify biol. active members. The invention also relates to the use of such compds. for inhibiting or treating disorders modulated by the Wnt-signaling pathway, such as cancer, restenosis assocd. with angioplasty, polycystic kidney disease, aberrant angiogenesis disease, rheumatoid arthritis, tuberous sclerosis complex, Alzheimer's disease, excess hair growth or loss, or ulcerative colitis. Thus, triazolopyrazinone deriv. II was prepd. using a bromoacetal resin and showed IC50 = 2.349 .mu.M against SW480 cells.

IT 1145676-59-0P
(prepn. of reverse-turn mimetics for treatment of cancer and rheumatoid arthritis)

RN 1145676-59-0 HCAPLUS

CN 2H-Pyrazino[2,1-c][1,2,4]triazine-1(6H)-carboxamide, hexahydro-4,7-dioxo-N-(phenylmethyl)-6-[[4-(phosphonooxy)phenyl]methyl]-2-(2-propen-1-yl)-8-[[4-(2-propen-1-yloxy)phenyl]methyl]-, sodium salt (1:2), (6S,9aS)- (CA INDEX NAME)

Absolute stereochemistry.



●2 Na

INCL 514243000; 544184000

IPCI C07D0487-04 [I,A]; A61K0031-53 [I,A]; A61P0019-02 [I,A]; A61P0035-00 [N,A]

IPCR C07D0487-04 [I,A]; A61K0031-53 [I,A]; A61P0019-02 [I,A]; A61P0035-00 [N,A]

NCL 514/243.000; 544/184.000

CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 63

IT 512854-88-5P 512856-49-4P 512856-50-7P 512856-51-8P
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1213834-02-6P
(prepn. of reverse-turn mimetics for treatment of cancer and rheumatoid arthritis)

REFERENCE COUNT: 149 THERE ARE 149 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 3 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2009:490612 HCAPLUS Full-text
DOCUMENT NUMBER: 150:447990
TITLE: Novel hexahydropyrazinotriazinedione compounds of reverse turn mimetics and their preparation and use thereof
INVENTOR(S): Chung, Jae Uk; Jung, Kyung-Yun; Jeong, Min-Wook; Jung, Hee-Kyung; La, Hyun-Ju
PATENT ASSIGNEE(S): Choongwae Pharma Corporation, S. Korea
SOURCE: PCT Int. Appl., 192 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 11
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009051397	A2	20090423	WO 2008-KR6070	20081015
WO 2009051397	A3	20090604		
WO 2009051397	A9	20100527		

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LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK,
SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR,
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EP, OA

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AU 2008312191	A1	20090423	AU 2008-312191		20081015
CA 2701735	A1	20090423	CA 2008-2701735		20081015
KR 2010085107	A	20100728	KR 2010-7010682		20081015
EP 2212330	A2	20100804	EP 2008-840475		20081015
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JP 2011500666	T	20110106	JP 2010-529857		20081015
MX 2010004046	A	20100625	MX 2010-4046		20100414
IN 2010KN01633	A	20111125	IN 2010-KN1633		20100507
CN 101896485	A	20101124	CN 2008-80120785		20100613
US 20100286094	A1	20101111	US 2010-738066 <--		20100723
US 8080657	B2	20111220			
PRIORITY APPLN. INFO.:			US 2007-974941	A	20071015
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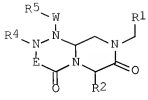
			WO 2002-KR1901 <--	A	20021011
			US 2003-411877 <--	B2	20030409
			US 2004-803179	A2	20040317
			US 2004-826972	A2	20040416
			US 2005-108164	A2	20050415
			WO 2008-KR6070	W	20081015

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 150:447990; MARPAT 150:447990
ED Entered STN: 24 Apr 2009
GI



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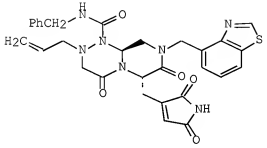


II

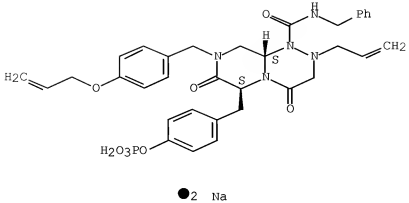
AB Conformationally constrained compds. of formula I that are novel and mimic the secondary structure of reverse-turn regions of biol. active peptides and proteins and having bicyclic framework are disclosed, as well as their prodrugs.1 Compds. of formula I wherein E is CO, CHR3 and NR3; W is CO, CONH, CO2, COS, SO2 and a bond; R1 is (un)substituted (hetero)aryl; R2, R3, R4 and R5 are independently an amino acid side chain moiety or an amino acid side chain deriv. and stereoisomers, mixt. of stereoisomers and pharmaceutically acceptable salts thereof, are claimed. Such reverse-turn mimetic structures and prodrugs have utility over a wide range of fields, including use as diagnostic and therapeutic agents. The invention also relates to a use of such compds. for the prepn. of a medicament for treating or preventing cancer including an acute myeloid leukemia. Example compd. II was prepd. by a general procedure (general procedure given). All the invention compds. were evaluated for their CYP3A4 inhibitory activity (some data given).

IT 1145676-59-0P
(drug candidate; prepn. of hexahydropyrazinotriazinedione compds. as CYP3A4 inhibitors useful as reverse turn mimetics and in the treatment of cancer)

RN 1145676-59-0 HCAPLUS

CN 2H-Pyrazino[2,1-c][1,2,4]triazine-1(6H)-carboxamide, hexahydro-4,7-dioxo-N-(phenylmethyl)-6-[[4-(phosphonooxy)phenyl]methyl]-2-(2-propen-1-yl)-8-[[4-(2-propen-1-yloxy)phenyl]methyl]-, sodium salt (1:2), (6S,9aS)- (CA INDEX NAME)

Absolute stereochemistry.



●2 Na

IPCI C07D0487-04 [I,A]; C07D0487-00 [I,C]; C07D0487-04 [I,A]; C07D0487-00 [I,C]; C07D0487-04 [I,A]
IPCR C07D0487-04 [I,A]
CC 28-19 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 34, 63

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(drug candidate; prepn. of hexahydropyrazinotriazinedione compds. as CYP3A4 inhibitors useful as reverse turn mimetics and in the treatment of cancer)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L48 ANSWER 4 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2005:568976 HCAPLUS Full-text
DOCUMENT NUMBER: 143:83603
TITLE: One-part self-etching, self-priming dental adhesive composition
INVENTOR(S): Klee, Joachim E.; Lehmann, Uwe; Walz, Uwe
PATENT ASSIGNEE(S): Dentsply Detrey GmbH, Germany
SOURCE: Eur. Pat. Appl., 30 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1548021	A1	20050629	EP 2003-29824 <--	20031223
EP 1548021	B1	20070321		
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AT 357450	T	20070415	AT 2003-29824 <--	20031223

CA 2551228	A1	20050714	CA 2004-2551228 <--	20041215
WO 2005063778	A1	20050714	WO 2004-EP14307 <--	20041215
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JP 2007520465	T	20070726	JP 2006-545998 <--	20041215
US 20070293642	A1	20071220	US 2007-596747 <--	20070508
PRIORITY APPLN. INFO.:			EP 2003-29824 <--	A 20031223
			WO 2004-EP14307	W 20041215

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

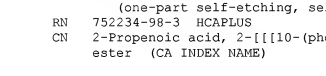
ED Entered STN: 01 Jul 2005

AB One-part self-etching, self-priming dental adhesive compn. having a pH of at most 2 comprises (a) a polymerizable acidic phosphoric acid ester monomer; (b) one or more polymerizable acidic monomers; (c) a polymerizable N-substituted alkylacrylic or acrylic acid amide monomer; (d) an org. and/or inorg. acid; (e) an org. water sol. solvent and/or water; and (f) polymn. initiator, inhibitor and stabilizer. An adhesive polymer was prepd. from 2-acrylamido-2-methyl-propane-sulfonic acid, 3,(4),8,(9)-bis(acrylamido methyl) tricyclo-5.2.1.02,6 decane, Et 2-[13-dihydrogen phosphoryl-13,2-dioxatridecyl]acrylate, and N,N'-bisacrylamido-N,N'-diethyl-1,3-propane.

IT 752234-98-3P
(one-part self-etching, self-priming dental adhesive compn.)

RN 752234-98-3 HCAPLUS

CN 2-Propenoic acid, 2-[[[10-(phosphonooxy)decyl]oxy]methyl]-, 1-ethyl ester (CA INDEX NAME)



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IPCR A61K0006-00 [I,A]; A61K0006-083 [I,A]; C07F0009-09 [I,A]; C08F0030-02 [I,A]

CC 63-8 (Pharmaceuticals)

IT 752234-97-2P 752234-98-3P 752234-99-4P
752235-00-0P 855894-56-3P

(one-part self-etching, self-priming dental adhesive compn.)
IT 855894-57-4P, 2-Acrylamido-2-methyl-propane-sulfonic acid-3,(4),8,(9)-bis(acrylamido methyl) tricyclo-5.2.1.02,6 decane-Ethyl 2-[13-dihydrogen phosphoryl-13,2-dioxatridecyl]acrylate-N,N'-Bisacrylamido-N,N'-diethyl-1,3-propane copolymer 855894-58-5P
(one-part self-etching, self-priming dental adhesive compn.)
OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 5 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2005:216597 HCAPLUS Full-text
DOCUMENT NUMBER: 142:291323
TITLE: Compositions and methods for the treatment of severe acute respiratory syndrome (SARS)
INVENTOR(S): Hardee, Greg; Dellamary, Luis
PATENT ASSIGNEE(S): Isis Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 217 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005020885	A2	20050310	WO 2004-US16196 <--	20040521
WO 2005020885	A3	20050804		

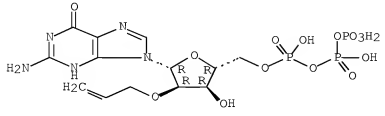
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-472774P P 20030521 <--

ED Entered STN: 11 Mar 2005
AB The invention provides compns. and methods for treating a coronavirus infection, esp. a SARS CoV infection. The compns. comprise an antiviral nucleoside or mimetic thereof, or an antiviral antisense agent, in a form suitable for pulmonary or nasal delivery. The methods comprise administration to a patient in need thereof the effective amt. of an antiviral compn. by pulmonary or nasal instillation.
IT 847648-34-4
(compns. and methods for treatment of severe acute respiratory syndrome)
RN 847648-34-4 HCAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2'-O-2-propenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IPCI A61K [ICM,7]
IPCR A61K [I,S]; A61K0031-7052 [I,A]; C07H0019-22 [I,A]
CC 1-5 (Pharmacology)
Section cross-reference(s): 63
IT 686301-76-8 690269-86-4 690269-87-5 714249-82-8 760965-53-5
764644-12-4 781672-21-7 784151-35-5 784151-48-0 790240-68-5
793655-42-2 809277-13-2 809277-14-3 809277-17-6 809277-18-7
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847649-32-5 847649-33-6 847649-34-7 847649-35-8 847649-36-9
847649-37-0 847649-38-1 847649-39-2
(compns. and methods for treatment of severe acute respiratory syndrome)

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 6 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2005:120948 HCAPLUS Full-text
DOCUMENT NUMBER: 142:197761
TITLE: Preparation of nucleobase phosphonate analogs for antiviral treatment and as retroviral reverse transcriptase inhibitors
INVENTOR(S): Krawczyk, Steven H.
PATENT ASSIGNEE(S): Gilead Sciences, Inc., USA
SOURCE: PCT Int. Appl., 140 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005012324	A2	20050210	WO 2004-US24922 <--	20040730
WO 2005012324	A3	20050506		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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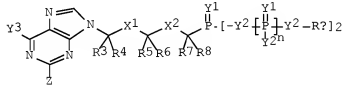
AU 2004260789	B2	20110630		

CA 2533966	A1	20050210	CA 2004-2533966 <--	20040730
US 20050059637	A1	20050317	US 2004-903288 <--	20040730
US 7579332	B2	20090825		
EP 1656387	A2	20060517	EP 2004-779855 <--	20040730
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2007500727	T	20070118	JP 2006-522128 <--	20040730
NZ 544988	A	20091127	NZ 2004-544988 <--	20040730
US 20060252729	A1	20061109	US 2006-566819 <--	20060127
PRIORITY APPLN. INFO.:			US 2003-491123P <--	P 20030730
			WO 2004-US24922	W 20040730

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 142:197761; MARPAT 142:197761
ED Entered STN: 11 Feb 2005
GI



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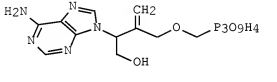


II

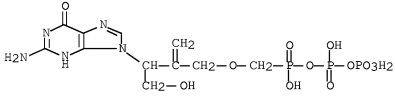
AB The present invention provides the prepn. of nucleobase phosphonate analogs I, wherein X1 is C:CR1R2, C:N-OR, C:O, CR1R2, C:N-NR2, S:O; X2 is O, NR, S; Y1 is O, S, NR, N-Nr2, +N(O)(R), +N(OR), +N(O)(OR), sulfonyl; Y3 and Z are independently H, OH, OR, NR2, CN, NO2, F, Cl, Br, iodo; Rx is H, protecting group; R1-R8 are independently H, F, Cl, Br, iodo, OH, C(:Y1)R, C(:Y1)OR, C(:Y1)NR2+NR3, SR, S(O)R, S(O2)R, S(O)2(ORx), OC(:Y)Rx, -OC(=Y1)OR, -OC(=Y1)(N(Rx)2), -SC(=Y1)Rx, -SC(=Y1)OR, -SC(=Y1)(N(Rx)2), -N(Rx)C(=Y1)R, -N(Rx)C(=Y1)OR, or -N(Rx)C(=Y1)N(Rx)2, amino, ammonium, alkylamino, dialkylamino, trialkyl-ammonium, alkyl, alkyl-halide, carboxylate sulfate, sulfamate, sulfonate, 5-7 membered ring sultam, alkyl sulfonate, alkylamino, 4-dialkylamino-pyridinium, alkyl-hydroxy, alkyl-thiol, alkyl sulfone, aryl sulfone, aryl sulfoxide, arylthio, sulfonamide, alkyl sulfoxide, ester, amido, 5-7 membered ring lactam, 5-7 membered ring lactone, nitrile, azido, nitro, alkoxy, alkyl,alkenyl, alkynyl, aryl, heteroaryl, polyethylene-oxy; two of R1-R8 form a carbocyclic ring of 3 to 7 carbon atoms; R is alkyl, alkenyl, alkynyl, aryl, with activity against infectious viruses. The

compds. of the invention may inhibit retroviral reverse transcriptases and thus inhibit the replication of the virus. They are useful for treating human patients infected with a human retrovirus, such as human immunodeficiency virus (strains of HIV-1 or HIV-2) or human T-cell leukemia viruses (HTLV-I or HTLV-II) which results in acquired immunodeficiency syndrome (AIDS) and/or related diseases. The present invention also relates generally to the accumulation or retention of therapeutic compds. inside cells. The invention is more particularly related to attaining high concns. of active metabolite mols. in HIV infected cells. Intracellular targeting may be achieved by methods and compns. which allow accumulation or retention of biol. active agents inside cells. Such effective targeting may be applicable to a variety of therapeutic formulations and procedures. Thus, nucleobase phosphonate II was prepd. and tested as antiviral agent and retroviral reverse transcriptase inhibitor. Within the context of the invention, typically compns. are first screened for inhibition of HIV reverse transcriptase in vitro and compns. showing inhibitory activity are then screened for activity in vivo. Compns. having in vitro Ki (inhibitory consts.) of less then about 5 X 10-6 M, typically less than about 1 X 10-7 M and preferably less than about 5 X 10-8 M are preferred for in vivo use.

IT 839711-04-5P
(prepn. of nucleobase phosphonate analogs for antiviral treatment and as retroviral reverse transcriptase inhibitors)

RN 839711-04-5 HCAPLUS

CN Diphosphoric acid, monoanhydride with [[3-(3-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-4-hydroxy-2-methylenebutoxy]methyl]phosphonic acid (9CI) (CA INDEX NAME)



IPCI C07H0019-00 [ICM,7]
IPCR C07F0009-6561 [I,A]
CC 26-9 (Biomolecules and Their Synthetic Analogs)
Section cross-reference(s): 1, 7, 33, 63

IT 839710-27-9P 839710-29-1P 839710-43-9P 839710-45-1P
839710-56-4P 839710-59-7P 839710-73-5P 839710-77-9P
839710-78-0P 839710-83-7P 839710-85-9P 839710-86-0P
839710-90-6P 839710-93-9P 839711-02-3P 839711-04-5P
839711-08-9P 839711-13-6P 839711-18-1P
839711-19-2P
(prepn. of nucleobase phosphonate analogs for antiviral treatment and as retroviral reverse transcriptase inhibitors)

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

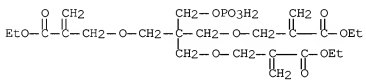
L48 ANSWER 7 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 2004:732258 HCAPLUS Full-text
DOCUMENT NUMBER: 141:243056
TITLE: Polymerizable phosphoric acid ester derivatives for dental compositions
INVENTOR(S): Klee, Joachim E.; Lehmann, Uwe; Walz, Uwe; Liu, Huaibing
PATENT ASSIGNEE(S): Dentsply Detrey GmbH, Germany
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1454911	A1	20040908	EP 2003-5174 <--	20030307
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CA 2518202	A1	20040916	CA 2004-2518202 <--	20040305
WO 2004078100	A2	20040916	WO 2004-EP2289 <--	20040305
WO 2004078100	A3	20041028		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1601679	A2	20051207	EP 2004-717576 <--	20040305
EP 1601679	B1	20110511		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
JP 2006520344	T	20060907	JP 2006-504563 <--	20040305
JP 4594297	B2	20101208		
US 20060246017	A1	20061102	US 2006-548362 <--	20060626
PRIORITY APPLN. INFO.:			EP 2003-5174 A <--	20030307
			WO 2004-EP2289 W	20040305

ED Entered STN: 09 Sep 2004
AB The present invention provides a polymerizable phosphoric acid ester deriv. for use in dental compns. E.g., 2,2,2-tris(2,6-dioxa-4-methylene-5-oxo-octyl)ethanol phosphoric acid ester was prepd. from pentaerythritol, Et chloromethyacrylate, and then treatment with the product with POCl3 and hydrolyzed.
IT 752234-96-1P

(polymerizable phosphoric acid ester derivs. for dental compns.)
RN 752234-96-1 HCAPLUS
CN 2-Propenoic acid, 2,2'-[[2-[[[2-(ethoxycarbonyl)-2-propenyl]oxy]methyl]-2-[(phosphonooxy)methyl]-1,3-propanediyl]bis(oxymethylene)]bis-, 1,1'-diethyl ester (9CI) (CA INDEX NAME)



IPCI C07F0009-09 [ICM,7]; A61K0006-08 [ICS,7]; C08F0030-02 [ICS,7]
IPCR A61K0006-00 [I,A]; A61K0006-08 [I,A]; A61K0006-083 [I,A]; C07F0009-09 [I,A]; C08F0030-02 [I,A]
CC 23-17 (Aliphatic Compounds)
Section cross-reference(s): 63
IT 752234-96-1P 752234-98-3P 752235-00-0P
(polymerizable phosphoric acid ester derivs. for dental compns.)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 8 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2004:252299 HCAPLUS Full-text
DOCUMENT NUMBER: 140:283384
TITLE: Modulators of GTPases and modulator-resistant enzymes and their uses in drug design and target validation
INVENTOR(S): Shah, Kavita; Vincent, Fabien; Cuento, Maria A.
PATENT ASSIGNEE(S): Irm, Llc, UK; Novartis Pharmaceuticals Corporation
SOURCE: PCT Int. Appl., 144 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

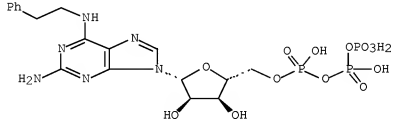
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004024082	A2	20040325	WO 2003-US28594 <--	20030910
WO 2004024082	A3	20090618		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,

ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA

AU 2003267145	A1	20040430	AU 2003-267145 <--		20030910
US 20040241706	A1	20041202	US 2003-660113 <--		20030910
PRIORITY APPLN. INFO.:			US 2002-410536P <--	P	20020913
			US 2003-461755P <--	P	20030409
			WO 2003-US28594 <--	W	20030910

OTHER SOURCE(S): CASREACT 140:283384; MARPAT 140:283384
ED Entered STN: 26 Mar 2004
GI



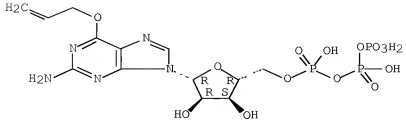
AB Guanine derivs. that act as modulators of GTPases and GTPase variants that do not interact with these modulators are described for use in the design of improved modulators of GTPase activity. The method involves generating variants of the enzyme that do not interact with a known modulator and then developing effectors that interact with the resistant variant. The prepn. of guanosine derivs. and of a series of p21c-Ha-ras protein substitution variants is described,.

IT 674796-08-8P
(prepn. and use of; modulators of GTPases and modulator-resistant enzymes and their uses in drug design and target validation)

RN 674796-08-8 HCAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 6-O-2-propenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IPCI A01N0043-02 [I,C]; A01N0043-04 [I,A]; A61K0031-70 [I,C]; A61K0031-70 [I,A]
IPCR A01N0043-04 [I,A]; A61K0031-70 [I,A]; A61K0048-00 [I,A]; C07H0021-04 [I,A]; C12Q0001-68 [I,A]
CC 7-5 (Enzymes)
Section cross-reference(s): 1, 3
IT 1074-41-5DP, derivs. 15867-02-4P 17670-19-8P 26775-35-9P 26783-32-4P 26783-36-8P 67831-83-8DP, derivs. 99404-63-4P 282531-50-4P 674795-54-1P 674795-55-2P 674795-56-3P 674795-57-4P 674795-58-5P 674795-59-6P 674795-60-9P 674795-61-0P 674795-62-1P 674795-63-2P 674795-64-3P 674795-65-4P 674795-66-5P 674795-67-6P 674795-68-7P 674795-69-8P 674795-70-1P 674795-71-2P 674795-72-3P 674795-73-4P 674795-74-5P 674795-75-6P 674795-77-8P 674795-78-9P 674795-85-8P 674795-86-9P 674795-87-0P 674795-88-1P 674795-89-2P 674795-90-5P 674795-91-6P 674795-92-7P 674795-93-8P 674795-95-0P 674795-96-1P 674795-97-2P 674795-98-3P 674795-99-4P 674796-00-0P 674796-01-1P 674796-02-2P 674796-03-3P 674796-04-4P 674796-05-5P 674796-06-6P 674796-07-7P 674796-08-8P 674796-09-9P 674796-10-2P 674796-11-3P 674796-12-4P 674796-13-5P 674796-14-6P 674796-16-8P
(prepn. and use of; modulators of GTPases and modulator-resistant enzymes and their uses in drug design and target validation)

L48 ANSWER 9 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2003:972032 HCAPLUS Full-text
DOCUMENT NUMBER: 140:16928
TITLE: Synthetic methods for the large scale production from glucose of analogs of sphingosine, azidosphingosine, ceramides, lactosyl ceramides, and glycosyl phytosphingosine
INVENTOR(S): Bundle, David R.; Ling, Chang Chun; Zhang, Ping
PATENT ASSIGNEE(S): Can.
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003101937	A1	20031211	WO 2003-CA832	20030602

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003233725 A1 20031219 AU 2003-233725 20030602

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PRIORITY APPLN. INFO.: US 2002-384435P P 20020531

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WO 2003-CA832 W 20030602

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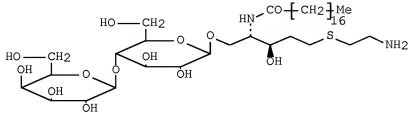
OTHER SOURCE(S): CASREACT 140:16928; MARPAT 140:16928

ED Entered STN: 14 Dec 2003

GI



I

AB Simple, direct and easily scaled synthetic methods were disclosed for the prodn. of sphingosines, azidosphingosines, ceramides, lactosyl ceramides, glycosyl phytosphingosines, such as ROCH2CH(R2)CH(OH)CH2OCH2CH:CH2 and ROCH2CH(R2)CH(OH)CH:CH2 [R = H, PO3H2, alkyl, alkenyl, alkynyl, aryl, heteroaryl, heterocyclyl, acyl, thioacyl, peptidyl, glycosyl; R2 = N2, NH2, acylamino, etc.], for use in pharmaceutical applications (no biol. testing data presented). The prepd. sphingosine and ceramide derivs. are useful intermediates for prepg. protein conjugates that could cause an immune response, and thus, may be useful for prepg. anti-cancer vaccines. Thus, (2S,3R)-2-azidopent-4-ene-1,3-diol was prepd. via a synthetic sequence which started from 1,2-O-isopropylidene-.alpha.-D-glucofuranose. Ultimately, the mono-acetate salt of glycylated sphingosine analog I was prepd. I could be used to further link with a protein form a protein conjugate suitable as vaccine.

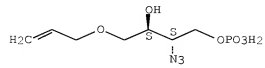
IT 631090-29-4P

(claimed compd.; synthetic methods for the large scale prodn. from glucose of analogs of sphingosine, azidosphingosine, ceramides, lactosyl ceramides, and glycosyl phytosphingosines)

RN 631090-29-4 HCAPLUS

CN 1,3-Butanediol, 2-azido-4-(2-propen-1-yloxy)-, 1-(dihydrogen phosphate), (2S,3S)- (CA INDEX NAME)

Absolute stereochemistry.



IPCI C07C0247-08 [ICM,7]; C07C0215-24 [ICS,7]; C07C0233-18 [ICS,7]; C07C0323-25 [ICS,7]
IPCR C07C0215-24 [I,A]; C07C0233-18 [I,A]; C07C0247-04 [I,A]; C07C0247-08 [I,A]; C07C0323-25 [I,A]; C07H0015-10 [I,A]
CC 33-7 (Carbohydrates)
Section cross-reference(s): 1, 15, 34, 63
IT 631090-29-4P 631090-30-7P 631090-31-8P 631090-32-9P 631090-33-0P
(claimed compd.; synthetic methods for the large scale prodn. from glucose of analogs of sphingosine, azidosphingosine, ceramides, lactosyl ceramides, and glycosyl phytosphingosines)
OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (12 CITINGS)
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 10 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2003:656778 HCAPLUS Full-text
DOCUMENT NUMBER: 139:180298
TITLE: Preparation of substituted inositols and their use as phosphatidylinositol hexamannoside mimics and potential drug delivery agents
INVENTOR(S): Rademacher, Thomas William; Schmidt, Richard; Stadelmaier, Andreas
PATENT ASSIGNEE(S): Lascaux Pharmaceuticals Limited, UK
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

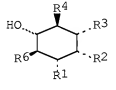
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003068789	A1	20030821	WO 2003-GB604 <--	20030213

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,

EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

AU 2003245767	A1	20030904	AU 2003-245767 <--		20030213
EP 1480991	A1	20041201	EP 2003-739562 <--		20030213
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
US 20050143290	A1	20050630	US 2005-504605 <--		20050218
PRIORITY APPLN. INFO.:			GB 2002-3535 <--	A	20020214
			WO 2003-GB604 <--	W	20030213

OTHER SOURCE(S): MARPAT 139:180298
ED Entered STN: 22 Aug 2003
GI



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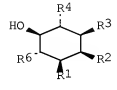


II

AB Inositol phosphate esters and conjugates I and II, wherein R1 is hydroxyl, phosphate, phosphatidic acid or a phosphate ester; R2 is a sugar moiety; R3 is are selected from hydroxyl or phosphate; R4 and/or R6 is or are independently selected from: an amino acid; or a peptide or polypeptide; or a group having the general formula: O-(CH2)n-CH(NR7R8)-CO2X, wherein: n is an integer between 1 and 10, R7 and R8 are independently selected from hydrogen, nitrogen, acyl or alkyl; and X is hydrogen, alkyl or a cation where the terminal group is CO2-; or a substituted or unsubstituted arom. group, formed between the compds. and a coupling partner are disclosed, in particular compds. based on a myo-inositol which is substituted at position 1 with a phosphate ester group, at position 2 with a sugar group and at position 4 and/or position 6 with an amino acid group. The compds. are based on the structure of phosphatidylinositol hexamannosides (PIM6) of Mycobacteria and may be used as mimics of the naturally occurring PIMs in order to induce biol. responses normally attributed to the natural compd. or may be used as biol. inert carriers in order to deliver specific pharmaceutically active compds. to lipid rafts/caveolae (no data). Thus, triethylammonium-[2-O-(.alpha.-D-mannopyranosyl)-L-myo-inosit-1-yl]-[(2R)-2,3-bis(myristoyloxy)propyl]-phosphate was prepd. as phosphatidylinositol hexamannoside mimic and potential drug delivery agent.

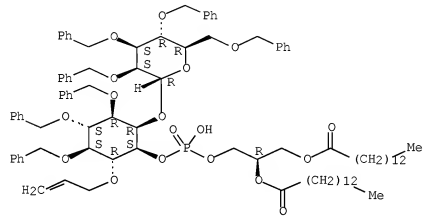
IT 579493-79-1P
(prepn. of substituted inositols and their use as phosphatidylinositol hexamannoside mimics and potential drug delivery agents)

RN 579493-79-1 HCAPLUS

CN D-myo-Inositol, 3,4,5-tris-O-(phenylmethyl)-6-O-2-propenyl-2-O-

[2,3,4,6-tetrakis-O-(phenylmethyl)-.alpha.-D-mannopyranosyl]-, (2R)-2,3-bis[(1-oxotetradecyl)oxy]propyl hydrogen phosphate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



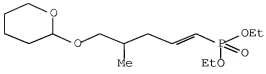
IPCI C07H0015-207 [ICM,7]; A61K0031-70 [ICS,7]
IPCR C07H0015-207 [I,A]
CC 33-6 (Carbohydrates)
Section cross-reference(s): 63
IT 22006-88-8P, Liriodendritol 55123-24-5P 111901-82-7P
120202-94-0P 126722-28-9P 131233-71-1P 154372-19-7P
154372-20-0P 154459-79-7P 154459-80-0P 154459-81-1P
154459-83-3P 154459-84-4P 154459-93-5P 164904-89-6P
170900-79-5P 380366-30-3P 579493-70-2P 579493-71-3P
579493-72-4P 579493-73-5P 579493-74-6P 579493-75-7P
579493-76-8P 579493-77-9P 579493-79-1P 579493-80-4P
579493-83-7P 579493-84-8P 579493-85-9P 579493-86-0P
579493-87-1P 579493-88-2P 579493-89-3P 579493-90-6P
579493-91-7P 579493-92-8P 579493-93-9P 579493-94-0P
579493-95-1P 579493-96-2P 579493-97-3P 579493-98-4P
579493-99-5P 579494-00-1P 579494-03-4P 579494-04-5P
579494-05-6P 579494-06-7P 579494-07-8P 579494-09-0P
579494-10-3P 579494-11-4P 579494-12-5P 579494-14-7P
579494-15-8P 579494-16-9P 579494-17-0P 581078-76-4P
(prepn. of substituted inositols and their use as phosphatidylinositol hexamannoside mimics and potential drug delivery agents)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 11 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2003:456232 HCAPLUS Full-text
DOCUMENT NUMBER: 139:22337
TITLE: New phosphonate derivatives, their preparation method, and their use as modulators of the

activity of t.gamma.9.delta.2 lymphocytes
INVENTOR(S): Montero, Jean Louis; Zgani, Ibrahim; Menut, Chantal; Gallois, Valerie
PATENT ASSIGNEE(S): Laboratoires Mayoly Spindler, Fr.; Centre National de la Recherche Scientifique CNRS; Universite Montpellier II
SOURCE: Fr. Demande, 118 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2833266	A1	20030613	FR 2001-15971 <--	20011211
FR 2833266	B1	20041022		
WO 2003050128	A1	20030619	WO 2002-FR4190 <--	20021205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002366577	A1	20030623	AU 2002-366577 <--	20021205
EP 1453840	A1	20040908	EP 2002-804596 <--	20021205
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005511748	T	20050428	JP 2003-551152 <--	20021205
US 20060241087	A1	20061026	US 2005-498313 <--	20051104
US 20100204184	A1	20100812	US 2010-656049 <--	20100114
US 8017596	B2	20110913		
PRIORITY APPLN. INFO.:			FR 2001-15971 A <--	20011211
			WO 2002-FR4190 W <--	20021205
			US 2005-498313 A1	20051104

OTHER SOURCE(S): MARPAT 139:22337
ED Entered STN: 15 Jun 2003
GI

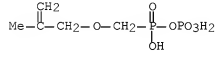


AB The invention refers to new phosphonates A-[P(:O)(O-)-O]n-B X+ [I, A = C1-C50 alkyl which may be linear, branched, cyclic, satd. or unsatd. (alkenyl or alkynyl), (un)substituted by arom. groups, functionalized by bridging ethers, carboxylic acids, esters, amides, nitriles, hydroxyls, aldehydes, ketones, halogens, amines, thiols, thioketones, episulfides, selenols, selenoketones, sulfides, sulfones, sulfoxides, or may contain one or more heterocycles; n = 1-4; X = H or a pharmaceutically acceptable cationic org. group or mineral; B = = X and -P(:O)(A)O-X+ (same X and A as above)]. Compds. I, e.g., pyrophosphonate [(E)-Me2C:CHCH:CHP(O)(O-)OP(O)(O-)2](NH4+)3, and their pharmaceutical compns. modulate the proliferation of T .gamma.9.delta.2 lymphocytes, and are useful for the treatment or prevention of infectious diseases, tumors, and chronic inflammatory diseases. A claimed method for conversion of di-Et alkylphosphonates of the invention to the corresponding phosphonic diacid is by treatment with a trimethylsilyl halide to give a bis(trimethylsilyl) phosphonate which is then hydrolyzed. A method is also claimed for prepg. compds. I which has a step comprising reaction of a phosphonic diacid with di-Ph phosphate tributylammonium chloride salt to give a phosphonic anhydride which is then treated with tributylammonium orthophosphate in pyridine. Diagnostic kits contg. compds. I for modulating activity of T .gamma.9.delta.2 lymphocytes are claimed.

IT 537696-98-3P
(prepn. of phosphonate derivs. as modulators of T .gamma.9.delta.2 lymphocyte activity and for treatment/prevention of infectious diseases, tumors, and chronic inflammatory diseases)

RN 537696-98-3 HCAPLUS

CN Isohypophosphoric acid, [[(2-methyl-2-propenyl)oxy]methyl]-, triammonium salt (9CI) (CA INDEX NAME)



● 3 NH_3

IPCI C07F0009-40 [ICM,7]; C07F0009-38 [ICS,7]; A61K0031-662 [ICS,7]; A61K0031-663 [ICS,7]; A61P0031-00 [ICS,7]

IPCR G01N0033-15 [I,A]; A61K0031-662 [I,A]; A61K0031-663 [I,A]; A61K0035-14 [I,A]; A61K0035-26 [I,A]; A61P0001-00 [I,A]; A61P0001-16 [I,A]; A61P0019-02 [I,A]; A61P0021-00 [I,A]; A61P0029-00 [I,A]; A61P0031-00 [I,A]; A61P0031-12 [I,A]; A61P0031-18 [I,A]; A61P0031-22 [I,A];

A61P0035-00 [I,A]; A61P0037-00 [I,A]; A61P0037-02 [I,A]; A61P0037-04 [I,A]; A61P0043-00 [I,A]; C07F0009-38 [I,A]; C07F0009-655 [I,A]; C12N0005-0783 [I,A]

CC 29-7 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 1

IT 496042-87-6P 496042-88-7P 496042-89-8P 496042-90-1P
496042-91-2P 496042-92-3P 537696-50-7P 537696-53-0P
537696-54-1P 537696-55-2P 537696-56-3P 537696-57-4P
537696-58-5P 537696-59-6P 537696-68-7P 537696-72-3P
537696-74-5P 537696-75-6P 537696-77-8P 537696-78-9P
537696-81-4P 537696-82-5P 537696-83-6P 537696-84-7P
537696-85-8P 537696-86-9P 537696-87-0P 537696-89-2P
537696-90-5P 537696-92-7P 537696-96-1P 537696-98-3P
537696-99-4P 537697-00-0P 537697-01-1P
(prepn. of phosphonate derivs. as modulators of T .gamma.9.delta.2 lymphocyte activity and for treatment/prevention of infectious diseases, tumors, and chronic inflammatory diseases)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 12 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 2003:282375 HCAPLUS Full-text

DOCUMENT NUMBER: 138:309276

TITLE: Liposomes containing (ether)-lysolecithins for treating Leishmanioses and other protozoan diseases

INVENTOR(S): Eibl, Joerg

PATENT ASSIGNEE(S): Max-Planck-Gesellschaft Zur Foerderung Der Wissenschaften E.V., Germany

SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

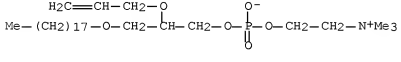
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003028701	A2	20030410	WO 2002-EP10650 <--	20020927
WO 2003028701	A3	20031224		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10148066	A1	20030424	DE 2001-10148066 <--	20010928

AU 2002362507 A1 20030414 AU 2002-362507 20020927
<--
PRIORITY APPLN. INFO.: DE 2001-10148066 A 20010928
<--
WO 2002-EP10650 W 20020927
<--

OTHER SOURCE(S): MARPAT 138:309276
ED Entered STN: 11 Apr 2003
AB The invention relates to a novel pharmaceutical formulation contg. (ether)lysolecithin compds. in a liposomal form; further cholesterol and a neg. charged component are included in the liposomes. The pharmaceutical formulation is esp. suitable for stimulating leucopoiesis, and for treating tumor diseases and protozoan diseases, esp. Leishmanioses and amoebic diseases, acariasis and diseases caused by arthropods. Oher drugs can be added. Thus 1-O-octadecyl-2-O-methyl-glycero-3-phosphocholine (ET18OCH3) liposomes were prepd. from 47.5 .mu.M cholesterol, 7.5 .mu.M 1,2-dioleyl-sn-glycero-3-phosphoglycerin monosodium salt and 45.0 .mu.M ET18OCH3 in 200 mL chloroform by mixing, heating and evapp. the solvent. To the residue 450 g 0.25 M 1,2-propanediol were added, heated and filtered.
IT 149143-20-4
(liposomes contg. (ether)-lysolecithins for treating Leishmanioses and other protozoan diseases)
RN 149143-20-4 HCAPLUS
CN Ethanaminium, 2-[[hydroxy[3-(octadecyloxy)-2-(2-propen-1-yloxy)propoxy]phosphinyl]oxy]-N,N,N-trimethyl-, inner salt (CA INDEX NAME)



IPCI A61K0009-10 [ICM,7]; A61P0043-00 [ICS,7]
IPCR A61K0009-127 [I,A]; A61K0031-575 [I,A]; A61K0031-685 [I,A]; A61P0027-02 [I,A]; A61P0031-04 [I,A]; A61P0033-00 [I,A]; A61P0035-00 [I,A]; A61P0043-00 [I,A]
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 14
IT 57-55-6, 1,2-Propane diol, biological studies 57-88-5, Cholesterol, biological studies 64-17-5, Ethanol, biological studies 67-63-0, 2-Propanol, biological studies 78-92-2, 2-Butanol 79-57-2, Oxytetracycline 126-07-8, Griseofulvin 564-25-0, Doxycycline 1397-89-3, Amphotericin B 4358-16-1D, esters with poly glycerols 10118-90-8, Minocycline 70641-51-9 77249-78-6 77286-66-9 78858-43-2 79217-60-0, Cyclosporin 87746-72-3 91605-33-3 102340-77-2 105405-91-2 149143-20-4 508174-70-7 508174-73-0 508182-36-3 508182-37-4 508190-02-1 508190-03-2 508190-04-3 508190-05-4 508190-06-5 508190-07-6 508190-08-7 508190-09-8 508190-10-1 508190-11-2 508190-12-3 508190-13-4 508190-14-5 508190-15-6 508190-16-7 508190-17-8 508190-18-9 508190-19-0 508190-20-3 508190-21-4 509076-44-2 509076-45-3

(liposomes contg. (ether)-lysolecithins for treating Leishmanioses and other protozoan diseases)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 13 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 2002:794472 HCAPLUS Full-text

DOCUMENT NUMBER: 138:24910

TITLE: Syntheses and Calcium-Mobilizing Evaluations of N1-Glycosyl-Substituted Stable Mimics of Cyclic ADP-Ribose

AUTHOR(S): Huang, Li-Jun; Zhao, Yong-Yuan; Yuan, Lan; Min, Ji-Mei; Zhang, Li-He

CORPORATE SOURCE: National Key Laboratory of Natural and Biomimetic Drugs, Peking University, Beijing, 100083, Peop. Rep. China

SOURCE: Journal of Medicinal Chemistry (2002), 45(24), 5340-5352
CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:24910

ED Entered STN: 20 Oct 2002

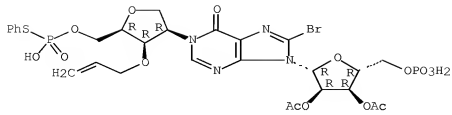
AB Cyclic ADP-ribose (cADPR) is not only a potent endogenous calcium modulator but also a second messenger. However, studies on the mechanism of cADPR action were limited due to its instability and lack of available structural modifications in the N1-glycosyl unit of cADPR. In the present work, a series of N1-glycosyl mimics with different configurational glycosyls or an ether strand were designed and synthesized mimicking the furanose ring. SN2 substitutions were carried out between the protected inosine and glycosyl triflates to form the N1-glycosylinosine derivs., accompanied with some O6-glycosyl-substituted derivs. as side products. The intramol. cyclization followed the strategy described by Matsuda et al. It was found that the 8-unsubstituted substrate could also be used to construct the intramol. cyclic pyrophosphate. The activities of N1-glycosyl-substituted cADPR mimics were evaluated by induced Ca2+ release in rat brain microsomes and HeLa cells. It was found that the configuration of the N1-glycosyl moiety in cADPR is not a crit. structural factor for retaining the activity of mobilizing Ca2+ release. More interestingly, the N1-acyclic analog exhibited strong activity by inducing Ca2+ release in both rat brain microsomes and HeLa cells. It constitutes a useful tool for further studies.

IT 478044-49-4P
(syntheses and calcium-mobilizing evaluations of N1-glycosyl-substituted stable mimics of cyclic ADP-ribose)

RN 478044-49-4 HCAPLUS

CN D-Arabinitol, 2,5-anhydro-4-[8-bromo-9-(2,3-di-O-acetyl-5-O-phosphono-.beta.-D-ribofuranosyl)-6,9-dihydro-6-oxo-1H-purin-1-yl]-4-deoxy-3-O-2-propenyl-, 1-(S-phenyl hydrogen phosphorothioate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



CC 33-9 (Carbohydrates)
Section cross-reference(s): 1, 6
IT 444989-14-4P 444989-15-5P 444989-16-6P 444989-17-7P
444989-18-8P 478044-19-8P 478044-20-1P 478044-21-2P
478044-22-3P 478044-23-4P 478044-24-5P 478044-25-6P
478044-27-8P 478044-28-9P 478044-29-0P 478044-30-3P
478044-31-4P 478044-32-5P 478044-33-6P 478044-34-7P
478044-35-8P 478044-36-9P 478044-37-0P 478044-38-1P
478044-39-2P 478044-40-5P 478044-41-6P 478044-42-7P
478044-44-9P 478044-46-1P 478044-47-2P 478044-48-3P
478044-49-4P 478044-51-8P 478044-53-0P
478044-54-1P 478044-59-6P 478044-63-2P
(syntheses and calcium-mobilizing evaluations of
N1-glycosyl-substituted stable mimics of cyclic ADP-ribose)
OS.CITING REF COUNT: 30 THERE ARE 30 CAPLUS RECORDS THAT CITE THIS RECORD (30 CITINGS)
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 14 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2002:516677 HCAPLUS Full-text
DOCUMENT NUMBER: 137:57599
TITLE: Prevention and treatment of pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin by inhalation of anti-endotoxin drugs
INVENTOR(S): Rossignol, Daniel P.; Vermeulen, Mary W.
PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan
SOURCE: U.S., 37 pp., Cont.-in-part of U.S. 293,856.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6417172	B1	20020709	US 1999-449601 <--	19991123
US 5750664	A	19980512	US 1995-461675 <--	19950605
US 5935938	A	19990810	US 1996-658656 <--	19960605
US 6184366	B1	20010206	US 1999-293856 <--	19990416

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     CA 2392356           A1    20010531    CA 2000-2392356         20001122
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     WO 2001037843        A1    20010531    WO 2000-US32177         20001122
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             CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
             TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     EP 1248629           A1    20021016    EP 2000-980723          20001122
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     EP 1248629           B1    20050126
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
             PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2003514862        T     20030422    JP 2001-539457          20001122
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     AT 287719            T     20050215    AT 2000-980723          20001122
                                             <--
     ES 2237475           T3    20050801    ES 2000-980723          20001122
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     US 20030134805       A1    20030717    US 2002-167222          20020611
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     US 6683063           B2    20040127
     HK 1051490           A1    20050422    HK 2003-102773          20030416
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     JP 2007269812        A     20071018    JP 2007-154127          20070611
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     JP 4712001           B2    20110629
     JP 2011121970        A     20110623    JP 2011-18401           20110131
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PRIORITY APPLN. INFO.:                       US 1995-461675       A2 19950605
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                                             US 1999-293856       A2 19990416
                                             <--
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                                             US 1999-449601       A  19991123
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                                             WO 2000-US32177      W  20001122
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                                             JP 2007-154127       A3 20070611

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S):         MARPAT 137:57599
ED   Entered STN:  11 Jul 2002
GI
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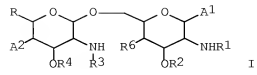

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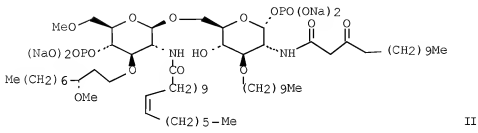


II

AB Disaccharide compds. I, wherein R is H, CH2OH, alkoxide; R1 is acyl; R2 is C5-C15 alkyl R3 is C5-C18 alkyl, acyl, R4 is C4-C20 alkyl, oxyalkyl; A1 and A2 are independently OH, phosphate, phosphonate, ester; were prepd. for and treatment of pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin. The invention provides methods of preventing and treating pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin and related conditions in a patient by administering to the patient anti-endotoxin compds. by inhalation. The invention provides methods of preventing and treating pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin and related conditions in a patient by administering to the patient anti-endotoxin compds. by inhalation. Thus, disaccharide lipid II was prepd. and tested in mice and suppressed the prodn. of TNF following administration of LPS.

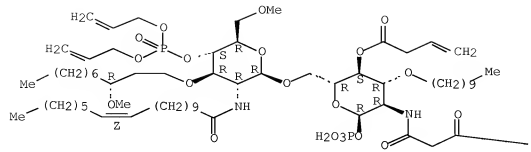
IT 234088-16-5P
(prevention and treatment of pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin by inhalation of anti-endotoxin drugs such as disaccharide lipid A analogs in relation to inhibition of cytokine prodn.)

RN 234088-16-5 HCAPLUS

CN .alpha.-D-Glucopyranose, 6-O-[4-O-[bis(2-propenyloxy)phosphinyl]-2-deoxy-3-O-[(3R)-3-methoxydecyl]-6-O-methyl-2-[[(11Z)-1-oxo-11-octadecenyl]amino]-.beta.-D-glucopyranosyl]-3-O-decyl-2-deoxy-2-[(1,3-dioxotetradecyl)amino]-, 4-(3-butenoate) 1-(dihydrogen phosphate), disodium salt (9CI) (CA INDEX NAME)

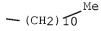
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



●2 Na

PAGE 1-B



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INCL 514053000
IPCI A61K0031-70 [ICM,7]
IPCR C07H0003-04 [I,A]; C07H0011-00 [I,A]; C07H0015-04 [I,A]; C07H0015-12
     [I,A]
NCL  514/053.000
CC   1-12 (Pharmacology)
     Section cross-reference(s): 26, 33, 63
IT   5509-08-0P   19525-80-5P   36875-26-0P   128313-03-1P   128387-27-9P
     137766-83-7P   139629-59-7P   139686-99-0P   185954-74-9P
     185954-75-0P   185954-76-1P   185954-77-2P   185954-78-3P
     185954-79-4P   185954-80-7P   185954-81-8P   185954-82-9P
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     185954-87-4P   185954-88-5P   185954-89-6P   185954-90-9P
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     185955-16-2P   185955-17-3P   185955-18-4P   185955-19-5P
     185955-20-8P   185955-21-9P   185955-22-0P   185955-23-1P
     185955-24-2P   185955-25-3P   185955-26-4P   185955-28-6P
     185955-29-7P   234088-12-1P   234088-13-2P   234088-14-3P
     234088-15-4P   234088-16-5P   234088-19-8P   234088-20-1P
```

234088-21-2P 234088-22-3P 234088-23-4P 234088-24-5P
(prevention and treatment of pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin by inhalation of anti-endotoxin drugs such as disaccharide lipid A analogs in relation to inhibition of cytokine prodn.)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 15 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2002:107823 HCAPLUS Full-text
DOCUMENT NUMBER: 136:156515
TITLE: Adhesive compositions containing monophosphates for bonding to hard tissues
INVENTOR(S): Stangel, Ivan; Xu, Jingwei; Ellis, Thomas; Sacher, Edward
PATENT ASSIGNEE(S): Biomat Sciences, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 5 pp., Cont.-in-part of Appl. No. PCT/US99/18582.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20020015682	A1	20020207	US 2001-785555 <--	20010220
US 6645952	B2	20031111		
WO 2000010478	A1	20000302	WO 1999-US18582 <--	19990817
W: AU, CA, CN, JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 20030118523	A1	20030626	US 2003-339621 <--	20030110
US 6664245	B2	20031216		
PRIORITY APPLN. INFO.:			US 1998-96838P <--	P 19980818
			WO 1999-US18582 <--	A2 19990817
			US 2001-785555 <--	A3 20010220

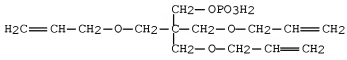
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
ED Entered STN: 10 Feb 2002
AB An adhesive compn. is provided which is suitable for the bonding of polymeric materials, in whole or in part, such as composite resins, or methacrylate-contg. glass-ionomer filling materials, to tooth enamel, or tooth dentin, or to other hand tissues of the human body, such as bone. The compn. comprises an unsatd. carboxylic acid ester, an unsatd. phosphate ester and other crosslinking agents. The esp. preferred ethylenically unsatd. monophosphates, (CH2::C(R)CH2OCH2)nR1OP(O)(OH)2 (R = H, C1-4 alkyl, CN; R1 = aliph., cycloaliph., aryl), are provided as new compds. For example, a mixt. of 2-hydroxyethyl methacrylate (HEMA) (35% by wt.) and

pentaerythritol triallyl ether monophosphate acid ester (PTEPAE) (10% by wt.), the balance being acetone, was prepd. and the bond strength of the soln. to dentin was tested. The mean peak stress at failure for seven dentin samples was 20.5 MPa. However, the mean peak stress at failure for six dentin samples etched by 35% phosphoric acid was 25.5 MPa.

IT 259250-33-4
(adhesive compns. for bonding of polymeric materials to hard tissues)

RN 259250-33-4 HCAPLUS

CN 1-Propanol, 3-(2-propen-1-yloxy)-2,2-bis[(2-propen-1-yloxy)methyl]-, 1-(dihydrogen phosphate) (CA INDEX NAME)



INCL 424049000

IPCI A61K0007-16 [ICM]; C07F0009-113 [ICS]

IPCR A61K0006-00 [I,A]; C07F0009-09 [I,A]

NCL 424/049.000; 558/208.000; 514/112.000; 514/129.000; 558/183.000

CC 63-7 (Pharmaceuticals)
Section cross-reference(s): 23

IT 259250-33-4 395068-31-2
(adhesive compns. for bonding of polymeric materials to hard tissues)

L48 ANSWER 16 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 2001:693328 HCAPLUS Full-text

DOCUMENT NUMBER: 135:257469

TITLE: Preparation of caprolactam derivatives with Src-SH2 domain inhibitor activity and their intermediates, and their application as bone resorption inhibitors

INVENTOR(S): Deprez, Pierre; Lesuisse, Dominique; Benard, Didier

PATENT ASSIGNEE(S): Ariad Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001068655	A2	20010920	WO 2001-US7935 <--	20010312
WO 2001068655	A3	20020801		

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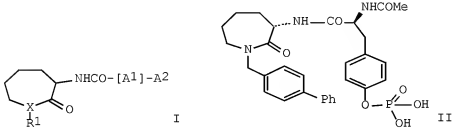
MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR,
TT, UA, UG, US, UZ, VN, YU, ZA
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2001043601	A	20010924	AU 2001-43601 <--	20010312
PRIORITY APPLN. INFO.:			US 2000-523243 <--	A 20000310
			WO 2001-US7935 <--	W 20010312

OTHER SOURCE(S): MARPAT 135:257469
ED Entered STN: 21 Sep 2001
GI



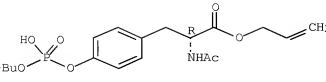
AB Caprolactam derivs. [I; X = XH2, N; R1 = alkyl, alkenyl, alkynyl, arylalkyl, aryl-alkenyl, aryl-alkynyl, (un)substituted cycloalkyl etc.; A1 = CH(Z)-alkylaryl, CH(Z):CH-alkylaryl, CH(Z)-aryl, alkylaryl, aryl; Z = H, tetrazole, (un)substituted NH2 and CONH2; A2 = P(O)(OH)2 or esters, B(OH)2 or esters, various carboxylic or sulfonic acids or their derivs.], as well as isomers, physiol. acceptable salts, and/or prodrugs, were prepd. as inhibitors of the Src-SH2 receptor. Thus, caprolactam deriv. (II) was prepd. via a multistep synthetic sequence starting from (2S)-N-Boc-Tyr-O-(PO3Bn2)and (S)-3-amino-hexahydro-2H-azepin-2-one. In a scintillation proximity assay for inhibition of the binding of the ligand [125I]-EPQpYEEIPIYL to biotinylated SH2 protein, II had an IC50 of 0.009 .mu.M, vs. 0.2-0.4 .mu.M for the ref. peptide PYEEI.

IT 361385-61-7DP, Wang resin-bound
(prepn. of caprolactam derivs. as Src-SH2 domain antagonists)

RN 361385-61-7 HCAPLUS

CN D-Tyrosine, N-acetyl-, 2-propenyl ester, 1,1-dimethylethyl hydrogen phosphate (ester) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IPCI C07F0009-02 [ICM,7]
IPCR A61K0038-00 [N,A]; C07F0009-12 [I,A]; C07F0009-40 [I,A]; C07F0009-553 [I,A]; C07K0005-06 [I,A]; C07K0005-065 [I,A]
CC 34-2 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 27
IT 76944-95-1P 361385-59-3P 361385-60-6P 361385-61-7DP, Wang resin-bound 361385-62-8DP, Wang resin-bound 361385-63-9P 361385-64-0P 361385-65-1P
(prepn. of caprolactam derivs. as Src-SH2 domain antagonists)
OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 17 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2001:396678 HCAPLUS Full-text
DOCUMENT NUMBER: 135:528
TITLE: Prevention and treatment of pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin by inhalation of antiendotoxin drugs
INVENTOR(S): Rossignol, Daniel P.; Vermeulen, Mary W.
PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6417172	B1	20020709	US 1999-449601 <--	19991123
CA 2392356	A1	20010531	CA 2000-2392356 <--	20001122

EP 1248629 A1 20021016 EP 2000-980723 20001122
<--
EP 1248629 B1 20050126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2003514862 T 20030422 JP 2001-539457 20001122
<--
AT 287719 T 20050215 AT 2000-980723 20001122
<--
HK 1051490 A1 20050422 HK 2003-102773 20030416
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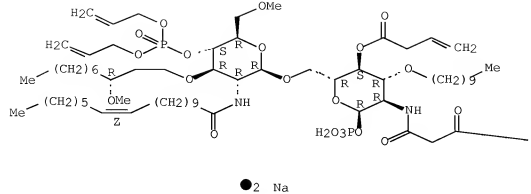
PRIORITY APPLN. INFO.: US 1999-449601 A2 19991123
<--
US 1995-461675 A2 19950605
<--
US 1996-658656 A1 19960605
<--
US 1999-293856 A2 19990416
<--
WO 2000-US32177 W 20001122
<--

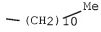
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 135:528
ED Entered STN: 01 Jun 2001
AB The invention provides methods of preventing and treating pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin and related conditions in a patient by administering to the patient antiendotoxin compds. by inhalation.
IT 234088-16-5P
(prevention and treatment of pulmonary bacterial infection or symptomatic pulmonary exposure to endotoxin by inhalation of antiendotoxin drugs such as lipid A analogs in relation to inhibition of cytokine prodn.)
RN 234088-16-5 HCAPLUS
CN .alpha.-D-Glucopyranose, 6-O-[4-O-[bis(2-propenyloxy)phosphinyl]-2-deoxy-3-O-[(3R)-3-methoxydecyl]-6-O-methyl-2-[[(11Z)-1-oxo-11-octadecenyl]amino]-.beta.-D-glucopyranosyl]-3-O-decyl-2-deoxy-2-[(1,3-dioxotetradecyl)amino]-, 4-(3-butenoate) 1-(dihydrogen phosphate), disodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



IPCI A61K0031-70 [ICM,7]
IPCR A61K0009-12 [I,A]; A61K0009-00 [I,A]; A61K0031-6615 [I,A]; A61K0031-70 [I,A]; A61K0045-00 [I,A]; A61P0011-00 [I,A]; A61P0031-00 [I,A]
CC 1-12 (Pharmacology)
Section cross-reference(s): 26, 33, 63
IT 5509-08-0P 19525-80-5P 36875-26-0P 128313-03-1P 128387-27-9P
137766-83-7P 139629-59-7P 139686-99-0P 185954-74-9P
185954-75-0P 185954-76-1P 185954-77-2P 185954-78-3P
185954-79-4P 185954-80-7P 185954-81-8P 185954-82-9P
185954-83-0P 185954-84-1P 185954-85-2P 185954-86-3P
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185955-16-2P 185955-17-3P 185955-18-4P 185955-19-5P
185955-20-8P 185955-21-9P 185955-22-0P 185955-23-1P
185955-24-2P 185955-25-3P 185955-26-4P 185955-28-6P
185955-29-7P 234088-12-1P 234088-13-2P 234088-14-3P
234088-15-4P 234088-16-5P 234088-19-8P 234088-20-1P
234088-21-2P 234088-22-3P 234088-23-4P 234088-24-5P
(prevention and treatment of pulmonary bacterial infection or

symptomatic pulmonary exposure to endotoxin by inhalation of antiendotoxin drugs such as lipid A analogs in relation to inhibition of cytokine prodn.)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 18 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2000:144683 HCAPLUS Full-text
DOCUMENT NUMBER: 132:185486
TITLE: Adhesive compositions containing ethylenically unsaturated monophosphates for the hard tissues of the human body such as tooth enamel and tooth dentin
INVENTOR(S): Xu, Jingwei; Stangel, Ivan; Ellis, Thomas; Sacher, Edward
PATENT ASSIGNEE(S): Biomat Services, Inc., USA
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

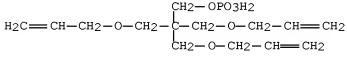
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000010478	A1	20000302	WO 1999-US18582 <--	19990817
W: AU, CA, CN, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2340900	A1	20000302	CA 1999-2340900 <--	19990817
AU 9954876	A	20000314	AU 1999-54876 <--	19990817
EP 1105063	A1	20010613	EP 1999-941168 <--	19990817
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002523525	T	20020730	JP 2000-565804 <--	19990817
CN 100389731	C	20080528	CN 1999-809765 <--	19990817
US 20020015682	A1	20020207	US 2001-785555 <--	20010220
US 6645952	B2	20031111		
US 20030118523	A1	20030626	US 2003-339621 <--	20030110
US 6664245	B2	20031216		
PRIORITY APPLN. INFO.:			US 1998-96838P P <--	19980818
			WO 1999-US18582 W <--	19990817
			US 2001-785555 A3 <--	20010220

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 132:185486
ED Entered STN: 03 Mar 2000
AB Title compns. are suitable for the bonding of polymeric materials, in whole or in part, such as composite resins, or methacrylate-contg. glass-ionomer filling materials, to tooth enamel, or tooth dentin, or to other hard tissues of the human body, such as bone. The compns. comprise unsatd. carboxylic acid esters, unsatd. phosphate esters represented by the formula [CH2:C(R1)CH2OCH2]nROPO3H2, and other crosslinking agents, where R1 is a hydrogen atom, C1-C4 alkyl, or CN; R is an aliph., cycloaliph., or aryl radical contg. from 1 to 10 carbon atoms and having a valence of n + 1; and n is an integer from 1 to 5.
IT 259250-34-5P
(prepn. of dental adhesive compns. contg. ethylenically unsatd. monophosphates)
RN 259250-34-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]propyl dihydrogen phosphate (9CI) (CA INDEX NAME)

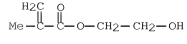
CM 1

CRN 259250-33-4
CMF C14 H25 O7 P



CM 2

CRN 868-77-9
CMF C6 H10 O3



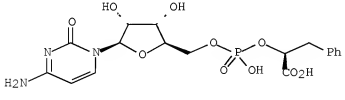
IPCI A61C0005-00 [ICM,6]; C07F0009-09 [ICS,6]; C07F0009-113 [ICS,6]
IPCR A61C0005-04 [I,A]; A61K0006-00 [I,A]; A61K0006-08 [I,A]; A61K0006-083 [I,A]; C07F0009-09 [I,A]; C09J0004-02 [I,A]; C09J0143-02 [I,A]
CC 63-7 (Pharmaceuticals)
IT 259250-34-5P 259250-35-6P
(prepn. of dental adhesive compns. contg. ethylenically unsatd. monophosphates)
IT 259250-33-4P
(prepn. of ethylenically satd. monophosphates for dental adhesives)
OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 19 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 2000:117065 HCAPLUS Full-text
DOCUMENT NUMBER: 132:161274
TITLE: CMP derivative sialyltransferase inhibitors, preparation, pharmaceutical compositions, and therapeutic use
INVENTOR(S): Schmidt, Richard R.; Schaub, Christoph; Muller, Bernd; Amann, Franz
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008040	A1	20000217	WO 1999-EP5697 <--	19990806
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9960791	A	20000228	AU 1999-60791 <--	19990806
PRIORITY APPLN. INFO.:			US 1998-95700P	P 19980807
			WO 1999-EP5697 <--	W 19990806

OTHER SOURCE(S): MARPAT 132:161274
ED Entered STN: 18 Feb 2000
GI



AB The invention provides potent inhibitors of sialyltransferases. The sialyltransferase inhibitors are useful for inhibiting the synthesis of sialylated

glycosides. The sialyltransferase inhibitors find use in the modulation of biol. processes that involve sialyl glycoside-mediated cell adhesion. The compds. of the invention may be used e.g. to treat inflammation.

IT 218939-23-2
(reaction; CMP deriv. sialyltransferase inhibitors, prepn., pharmaceutical compns., and therapeutic use)

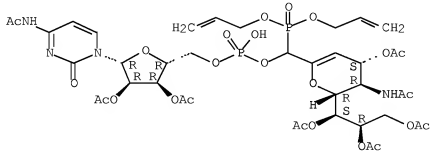
RN 218939-23-2 HCAPLUS

CN 5'-Cytidylic acid, N-acetyl-, 2',3'-diacetate, monoester with 5-(acetylamino)-2,6-anhydro-1-C-[bis(2-propenyloxy)phosphinyl]-3,5-dideoxy-D-glycero-D-galacto-non-2-enitol 4,7,8,9-tetraacetate, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 218939-22-1
CMF C40 H54 N4 O24 P2

Absolute stereochemistry.



CM 2

CRN 121-44-8
CMF C6 H15 N

IPCI C07H0019-10 [ICM,7]; A61K0031-70 [ICS,7]
IPCR C07H0019-10 [I,A]
CC 1-12 (Pharmacology)
Section cross-reference(s): 33, 63
IT 218939-23-2
(reaction; CMP deriv. sialyltransferase inhibitors, prepn., pharmaceutical compns., and therapeutic use)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 20 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1999:505657 HCAPLUS Full-text
DOCUMENT NUMBER: 131:130224
TITLE: Substituted liposaccharides useful in the treatment and prevention of endotoxemia
INVENTOR(S): Christ, William J.; Rossignol, Daniel P.; Kobayashi, Seiichi; Kawata, Tsutomu
PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan
SOURCE: U.S., 40 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5935938	A	19990810	US 1996-658656 <--	19960605
US 5681824	A	19971028	US 1995-461677 <--	19950605
US 5750664	A	19980512	US 1995-461675 <--	19950605
ZA 9604666	A	19970311	ZA 1996-4666 <--	19960605
CN 1192216	A	19980902	CN 1996-195890 <--	19960605
CN 1067082	C	20010613		
PT 853627	E	20040531	PT 1996-923234 <--	19960605
ES 2214543	T3	20040916	ES 1996-923234 <--	19960605
US 6184366	B1	20010206	US 1999-293856 <--	19990416
US 6417172	B1	20020709	US 1999-449601 <--	19991123
US 20020028927	A1	20020307	US 2001-774541 <--	20010130
US 20030144503	A1	20030731	US 2002-144670 <--	20020513
US 20030134805	A1	20030717	US 2002-167222 <--	20020611
US 6683063	B2	20040127		
JP 2007269812	A	20071018	JP 2007-154127 <--	20070611
JP 4712001	B2	20110629		
US 20080214802	A1	20080904	US 2007-830412 <--	20070730
US 7737129	B2	20100615		
US 20100227835	A1	20100909	US 2010-781166 <--	20100517
US 7994154	B2	20110809		

JP 2011121970	A	20110623	JP 2011-18401 <--	20110131
PRIORITY APPLN. INFO.:			US 1995-461675 <--	A2 19950605
			JP 1997-501868 <--	A3 19960605
			US 1996-658656 <--	A1 19960605
			US 1999-293856 <--	A2 19990416
			US 1999-449601 <--	A1 19991123
			US 2001-774541 <--	B1 20010130
			US 2002-144670 <--	B1 20020513
			JP 2007-154127 <--	A3 20070611
			US 2007-830412	A1 20070730

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 131:130224
ED Entered STN: 16 Aug 1999
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Novel substituted liposaccharides I (R1 = acyl; R2 = C5 to C15 alkyl; R3 = C5 to C18 acyl-alkenyl or acyl-alkynyl; R4 = C4 to C20 alkoxy-substituted alkyl; RA = CH2O-X where X is H or alkyl group; A1,A2 = OH, PO4H2, O-alkyl-OPO3H2, etc.) useful as in the prophylactic and affirmative treatment of endotoxemia including sepsis, septicemia and various forms of septic shock are prepd. Also provided are processes for prepg. the compds., e.g. II, and intermediates useful therein. The aminodeoxy disaccharide analogs inhibit tumor necrosis factor prodn. in vivo, exhibiting IC50s between 1.5 nM and 159 nM.

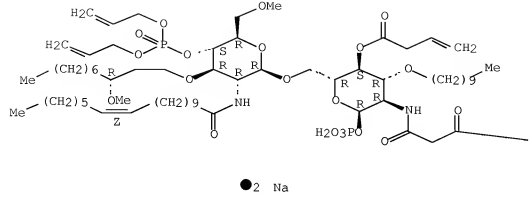
IT 234088-16-5P
(prepn. of substituted lipodisaccharides useful in the treatment and prevention of endotoxemia)

RN 234088-16-5 HCAPLUS

CN .alpha.-D-Glucopyranose, 6-O-[4-O-[bis(2-propenyloxy)phosphinyl]-2-deoxy-3-O-[(3R)-3-methoxydecyl]-6-O-methyl-2-[[(11Z)-1-oxo-11-octadecenyl]amino]-.beta.-D-glucopyranosyl]-3-O-decyl-2-deoxy-2-[(1,3-dioxotetradecyl)amino]-, 4-(3-butenoate) 1-(dihydrogen phosphate), disodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



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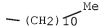


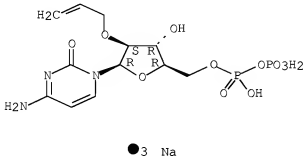
INCL 514053000
IPCI A61K0031-70 [ICM,6]; C13K0005-00 [ICS,6]
IPCR C07H0015-12 [I,A]; A61K0031-70 [I,A]; A61K0031-7028 [I,A]; A61P0031-00 [I,A]; A61P0031-04 [I,A]; C07H0003-04 [I,A]; C07H0011-00 [I,A]; C07H0011-04 [I,A]; C07H0013-06 [I,A]; C07H0015-04 [I,A]
NCL 514/053.000; 536/017.200; 536/017.900; 536/123.130
CC 33-7 (Carbohydrates)
Section cross-reference(s): 1
IT 19525-80-5P 36875-26-0P 41233-29-8P 99049-68-0P 128313-03-1P 128387-27-9P 137766-83-7P 139629-59-7P 139686-99-0P 185954-74-9P 185954-75-0P 185954-76-1P 185954-77-2P 185954-78-3P 185954-79-4P 185954-80-7P 185954-81-8P 185954-82-9P 185954-83-0P 185954-84-1P 185954-85-2P 185954-86-3P 185954-87-4P 185954-88-5P 185955-12-8P 185955-13-9P 185955-14-0P 185955-15-1P 185955-16-2P 185955-17-3P 185955-18-4P 185955-19-5P 185955-20-8P 185955-21-9P 185955-22-0P 185955-23-1P 185955-24-2P 234088-08-5P 234088-09-6P 234088-10-9P 234088-11-0P 234088-12-1P 234088-13-2P 234088-14-3P 234088-15-4P

234088-16-5P 234088-17-6P 234088-18-7P 234088-19-8P
234088-20-1P 234088-21-2P 234088-22-3P 234088-23-4P
234088-24-5P
(prepn. of substituted lipodisaccharides useful in the treatment and prevention of endotoxemia)
OS.CITING REF COUNT: 28 THERE ARE 28 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 21 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1999:499942 HCAPLUS Full-text
DOCUMENT NUMBER: 131:257780
TITLE: 5'-Phosphoramidates and 5'-Diphosphates of 2'-O-Allyl-.beta.-D-arabinofuranosyl-uracil, -cytosine, and -adenine: Inhibition of Ribonucleotide Reductase
AUTHOR(S): Manfredini, Stefano; Baraldi, Pier Giovanni; Durini, Elisa; Vertuani, Silvia; Balzarini, Jan; De Clercq, Erik; Karlsson, Anna; Buzzoni, Valentina; Thelander, Lars
CORPORATE SOURCE: Department of Pharmaceutical Sciences, Ferrara University, Italy
SOURCE: Journal of Medicinal Chemistry (1999), 42(17), 3243-3250
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 12 Aug 1999
AB Continuing our studies on ribonucleotide reductase (RNR) mechanism-based inhibitors, we have now prepd. the diphosphates (DP) of 2'-O-allyl-1-.beta.-D-arabinofuranosyl-uracil and -cytosine and 2'-O-allyl-9-.beta.-D-arabinofuranosyl-adenine and evaluated their inhibitory activity against recombinant murine RNR. 2'-O-Allyl-araUDP proved to be inhibitory to RNR at an IC50 of 100 .mu.M, whereas 2'-O-allyl-araCDP was only marginally active (IC50 1 mM) and 2'-O-allyl-araADP was completely inactive. The susceptibility of the parent nucleosides to phosphorylation by thymidine kinase and 2'-deoxycytidine kinase was also investigated, and all nucleosides proved to be poor substrates for the above-cited kinases. Moreover, prodrugs of 2'-O-allyl-araU and -araC monophosphates, namely 2'-O-allyl-5'-(phenylethoxy-L-alanyl phosphate)-araU and -araC, were prepd. and tested against tumor cell proliferation but proved to be inactive. A mol. modeling study has been conducted in order to explain our results. The data confirm that for both the natural and analog nucleoside diphosphates, the principal determinant interaction with the active site of RNR is with the diphosphate group, which forms strong hydrogen bonds with Glu623, Thr624, Ser625, and Thr209. Our findings indicate that the poor phosphorylation may represent an explanation for the lack of marked in vitro cytostatic activity of the test compds.
IT 245078-03-9P
(prepn. and ribonucleotide reductase inhibition of phosphoramidates and diphosphates of allyl-D-arabinofuranosyl-uracil, -cytosine and -adenine)
RN 245078-03-9 HCAPLUS
CN 2(1H)-Pyrimidinone, 4-amino-1-[5-O-[hydroxy(phosphonooxy)phosphinyl]-2-

O-2-propenyl-.beta.-D-arabinofuranosyl]-, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●3 Na

CC 33-9 (Carbohydrates)
Section cross-reference(s): 1
IT 245078-03-9P 245078-08-4P 245078-13-1P
(prepn. and ribonucleotide reductase inhibition of phosphoramidates and diphosphates of allyl-D-arabinofuranosyl-uracil, -cytosine and -adenine)
OS.CITING REF COUNT: 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 22 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1999:448710 HCAPLUS Full-text
DOCUMENT NUMBER: 131:170568
TITLE: Synthesis, cytostatic activity and inhibition of ribonucleotide reductase by 5'-phosphoramidates and 5'-diphosphates, of 2'-O-allyl-arabinofuranosyl nucleosides
AUTHOR(S): Manfredini, S.; Baraldi, P. G.; Durini, E.; Balzarini, J.; De Clercq, E.; Karlsson, A.; Buzzoni, V.; Thelander, L.
CORPORATE SOURCE: Department of Pharmaceutical Sciences, Ferrara University, Italy
SOURCE: Nucleosides & Nucleotides (1999), 18(4 & 5), 1007-1008
CODEN: NUNUD5; ISSN: 0732-8311
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 22 Jul 1999
AB A symposium reporting that the diphosphates of a series of 2'-O-allyl-1-.beta.-D-arabinofuranosyl derivs., previously obtained by the authors, have been prepd. and tested for their inhibitory activity in an in vitro assay using R1 and R2 subunits of the purified recombinant mouse ribonucleotide reductase (RNR). 2'-O-Allyl-araU diphosphate proved to be inhibitory, with an

IC50 of 100 .mu.M. The 5'-phosphoramidate pronucleotide of 2'-O-allyl-araU was also prepd. and tested for inhibition of tumor cell proliferation.

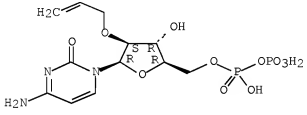
IT 239117-77-2P

(prepn., cytostatic activity and inhibition of ribonucleotide reductase by phosphoramidates and diphosphates of allylarabinofuranosyl nucleosides)

RN 239117-77-2 HCAPLUS

CN 2(1H)-Pyrimidinone, 4-amino-1-[5-O-[hydroxy(phosphonooxy)phosphinyl]-2-O-2-propen-1-yl-.beta.-D-arabinofuranosyl]- (CA INDEX NAME)

Absolute stereochemistry.



CC 33-9 (Carbohydrates)

Section cross-reference(s): 1

IT 239117-77-2P 239117-78-3P 239117-79-4P

239117-80-7P

(prepn., cytostatic activity and inhibition of ribonucleotide reductase by phosphoramidates and diphosphates of allylarabinofuranosyl nucleosides)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 23 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 1999:166753 HCAPLUS Full-text

DOCUMENT NUMBER: 130:232458

TITLE: Drug discovery using multiple membrane mimetic affinities

INVENTOR(S): Pidgeon, Charles; Liu, Hanlan; Hauer, Kimberly; Yin, Jiaming; Cai, Song J.

PATENT ASSIGNEE(S): Purdue Research Foundation, USA

SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9910522	A1	19990304	WO 1998-US17398 <--	19980821

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,

KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2300863	A1	19990304	CA 1998-2300863 <--		19980821
AU 9892018	A	19990316	AU 1998-92018 <--		19980821
AU 736198	B2	20010726			
EP 1015623	A1	20000705	EP 1998-944484 <--		19980821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2001514375	T	20010911	JP 2000-507830 <--		19980821
NO 2000000838	A	20000330	NO 2000-838 <--		20000221
MX 2000001798	A	20001026	MX 2000-1798 <--		20000221
US 6829540	B1	20041207	US 2000-486168 <--		20000222
PRIORITY APPLN. INFO.:			US 1997-56833P <--	P	19970822
			WO 1998-US17398 <--	W	19980821

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 15 Mar 1999

AB The measurement of multiple membrane affinities of test compds., methods and compns. useful for acquiring data characteristic of such affinities, and a method and system for using such data alone or in combination with other mol. descriptors for the prediction of biol. activity are described. The numerical values characteristic of biol. relevant interaction of test compds. with membrane mimetic surfaces are compared with corresponding values of one or more control compds. having a known biol. activity. Probable biol. activity of a test compd. is identified with those control compds. whose multiple membrane interaction values most closely correlate to those of the test compd. In another embodiment, membrane binding data are obtained for test compds. and control compds. for use in accordance with this invention using immobilized artificial membrane chromatog. substrates in high pressure liq. chromatog. systems using aq. mobile phases. Data relevant to the thermodn. and kinetics of compd./membrane interaction is reflected in retention time and peak width, resp. All data are preferably normalized relative to a std. compd. or a set of compds., for example, a set of compds. having a common biol. activity or function. This invention also provides novel carboxylfunctional, head group-protected phospholipids useful for prepg. immobilized artificial membrane structures useful for acquiring membrane interaction data. They are prepd. by novel high yielding transphosphatidylation of phosphatidylcholine derivs. using phospholipase D in the presence of protected alcs.

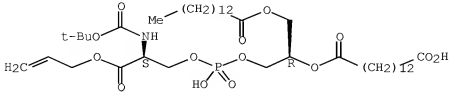
IT 221108-36-7P
(intermediate; drug discovery using multiple membrane mimetic affinities and use of HPLC and prepn. of protected phospholipids useful for prepn. of immobilized artificial membranes)

RN 221108-36-7 HCAPLUS

CN L-Serine, N-[(1,1-dimethylethoxy)carbonyl]-, 2-propenyl ester,

(2R)-2-[(13-carboxy-1-oxotridecyl)oxy]-3-[(1-oxotetradecyl)oxy]propyl hydrogen phosphate (ester) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

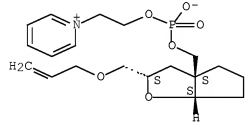


IPCI C12Q0001-00 [ICM,6]; G01N0033-53 [ICS,6]; G01N0033-566 [ICS,6]
IPCR G01N0033-50 [I,A]; B01J0020-281 [I,A]; C12Q0001-00 [I,A]; G01N0030-02 [N,A]; G01N0030-88 [I,A]; G01N0030-89 [N,A]; G01N0033-15 [I,A]; G01N0033-543 [I,A]
CC 1-1 (Pharmacology)
Section cross-reference(s): 26
IT 123-78-4P 20559-16-4P 85483-04-1P, Oxacyclotridecane-2,13-dione 88224-08-2P 102308-32-7P 108149-60-6P 115464-01-2P 116467-63-1P 117487-53-3P 119766-79-9P 143966-57-8P 203439-80-9P 221108-33-4P 221108-34-5P 221108-35-6P 221108-36-7P
(intermediate; drug discovery using multiple membrane mimetic affinities and use of HPLC and prepn. of protected phospholipids useful for prepn. of immobilized artificial membranes)
IT 221108-33-4DP, silica propylamine-immobilized 221108-34-5DP, silica propylamine-immobilized 221108-35-6DP, silica propylamine-immobilized 221108-36-7DP, silica propylamine-immobilized
(on artificial membranes; drug discovery using multiple membrane mimetic affinities and use of HPLC and prepn. of protected phospholipids useful for prepn. of immobilized artificial membranes)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 24 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1998:453103 HCAPLUS Full-text
DOCUMENT NUMBER: 129:216434
ORIGINAL REFERENCE NO.: 129:43999a,44002a
TITLE: Synthesis and pharmacological evaluation of a new class of bicyclic phospholipids, designed as platelet activating factor antagonists
AUTHOR(S): Pecanha, Emerson Poley; Fraga, Carlos Alberto Manssour; Mauricio, Carlos; De Sant' Anna, Rabello; De Miranda, Ana Luisa Palhares; Barreiro, Eliezer Jesus
CORPORATE SOURCE: Laboratorio de Avaliacao e Sintese de Substancias Bioativas (LASSBio), Faculdade de Farmacia,

Universidade Federal do Rio de Janeiro, Rio de Janeiro, 21944-970, Brazil
SOURCE: Farmaco (1998), 53(5), 327-336
CODEN: FRMCE8; ISSN: 0014-827X
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 22 Jul 1998
AB (.+-.)-3-Alkoxymethyl-(2-oxabicyclo[3.3.0]octane)-5-yl-methyl-phosphoryl-ethyl-pyridinum [alkyl = Me, CH2=CHCH2, Pr, Me(CH2)5] (I), structurally designed as conformationally restricted platelet activating factor (PAF) antagonists were synthesized in 12-26% overall yield, using Et (.+-.)-3-hydroxymethyl-5-(2- oxabicyclo[3.3.0]octane)carboxylate as key intermediate. The anti-platelet profile of I was evaluated in a PAF-induced aggregation model in rabbit platelet-rich plasma; only I [alkyl = Me(CH2)5] exhibited a modest activity.
IT 212479-12-4P
(synthesis and platelet activating factor antagonist activity of a new class of bicyclic phospholipids)
RN 212479-12-4 HCAPLUS
CN Pyridinium, 1-[2-[[[[(2R,3aR,6aR)-hexahydro-2-[(2-propenyloxy)methyl]-3aH-cyclopenta[b]furan-3a-yl]methoxy]hydroxyphosphinyl]oxy]ethyl]-, inner salt, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



CC 26-3 (Biomolecules and Their Synthetic Analogs)
Section cross-reference(s): 1
IT 197459-82-8P 197459-83-9P 212479-12-4P 212479-14-6P 212479-16-8P 212479-56-6P 212479-58-8P 212479-60-2P
(synthesis and platelet activating factor antagonist activity of a new class of bicyclic phospholipids)
OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 25 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1997:532277 HCAPLUS Full-text
DOCUMENT NUMBER: 127:166876
ORIGINAL REFERENCE NO.: 127:32228h,32229a
TITLE: Copolymers having phospholipid-like structure and medical goods coated with them

INVENTOR(S): Shudo, Kenshiro; Matsuyama, Kazuo; Sakaki, Hidejiro; Kamenosono, Koji; Nakabayashi, Norio; Ishihara, Kazuhiko
PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan; Research Development Corp. of Japan; Nakabayashi, Norio; Ishihara, Kazuhiko
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09183819	A	19970715	JP 1995-342470 <--	19951228
PRIORITY APPLN. INFO.:			JP 1995-342470 <--	19951228

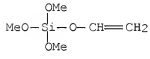
ED Entered STN: 20 Aug 1997
AB Title copolymers have no.-av. mol. wt. 5000-300,000, contain structure units [CHZCR1[X(Y)mP(O)(O-)O(CH2)2N+R3R4R5]]a[CH2CR9(WSiR6R7R8)]b [R1, R9 = H, Me; R3-R5 = H, C1-6 (hydroxy)hydrocarbyl; R6 = C1-10 alkoxy, C6-14 aryloxy; R7, R8 = C1-10 (halo)alkoxy, C6-14 (halo)aryloxy, (O- or N-contg.) C1-10 alkyl; W = (CH2)k, CO2(CH2)k, CONH(CH2)k, C6H4(CH2)k, C6H4CH2NH(CH2)k; X = divalent residue; Y = C1-6 alkyleneoxy; Z = H, R2O2C; R2 = C1-10 (hydroxy)alkyl; k = 0-4; m = 0-10, a:b = (95:5)-(50:50)], and are manufd. by random or alternating polymn. of ZCH:CR1X(Y)mP(O)(O-)O(CH2)2R+R3R4R5 (R1, R3-R5, X, Y, Z, m = same as above) with CH2:CR9WSiR6R7R8 (R6-R9, W = same as above). The copolymers show high durability and biocompatibility. A monomer mixt. comprising 0.6 mol part 2-(methacryloyloxy)ethyl 2'-(trimethylammonio)ethyl phosphate and 0.4 mol part 3-(methacryloyloxypropyl)trimethoxysilane was polymd. at 60.degree. in EtOH using t-Bu peroxypivalate to give a copolymer (Mn 58,000), which was dissolved into EtOH and mixed with H2O and AcOH to prep. a coating. A cover glass was coated with the coating to show protein adsorption 4 ng/cm2.
IT 193684-55-8P
(durable and biocompatible copolymers having phospholipid-like structure for coatings for medical goods)
RN 193684-55-8 HCAPLUS
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N-trimethyl-, inner salt, 4-oxide, polymer with silicic acid (H4SiO4) ethenyl trimethyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 183544-44-7
CMF C10 H22 N O5 P

CM 2

CRN 19916-97-3
CMF C5 H12 O4 Si



IPCI C08F0230-02 [ICM,6]; A61L0033-00 [ICS,6]; C08F0230-08 [ICS,6]; C09D0143-00 [ICS,6]
IPCR A61L0033-00 [I,A]; C08F0030-02 [I,A]; C08F0030-08 [I,A]; C08F0230-02 [I,A]; C08F0230-08 [I,A]; C09D0137-00 [I,A]; C09D0143-00 [I,A]
CC 63-8 (Pharmaceuticals)
Section cross-reference(s): 35, 42
IT 193684-52-5P 193684-55-8P 193684-57-0P 193684-58-1P 193684-59-2P
(durable and biocompatible copolymers having phospholipid-like structure for coatings for medical goods)
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L48 ANSWER 26 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1997:411048 HCAPLUS Full-text
DOCUMENT NUMBER: 127:104339
ORIGINAL REFERENCE NO.: 127:19947a,19950a
TITLE: Stimulation of proliferation of V.gamma.2V.delta.2 T cells by alkyl and alkenyl pyrophosphates
INVENTOR(S): Bloom, Barry R.; Tanaka, Yoshimasa; Sano, Shigetoshi
PATENT ASSIGNEE(S): Albert Einstein College of Medicine of Yeshiva University, USA
SOURCE: U.S., 25 pp., Cont.-in-part of U.S. Ser. No. 93,528, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5639653	A	19970617	US 1995-390881 <--	19950217
US 5902793	A	19990511	US 1997-877011 <--	19970616
PRIORITY APPLN. INFO.:			US 1993-93528 <--	B2 19930719
			US 1995-390881	A3 19950217

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

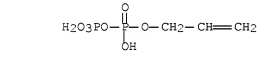
ED Entered STN: 03 Jul 1997

AB The proliferation of V.gamma.2V.delta.2 T cells can be stimulated by contacting V.gamma.2V.delta.2 T cells with a compd. selected from the group consisting of a monoalkyl pyrophosphate or an alkenyl pyrophosphate. Thus, 5 .mu.M monoethyl pyrophosphate or 0.3 .mu.M 3-methyl-2-hexenyl pyrophosphate are the minimal ligand concns. required for half-max. proliferative response of .gamma..delta. T cell clone 12G12.

IT 6088-04-6, Allyl pyrophosphate
(stimulation of proliferation of V.gamma.2V.delta.2 T cells by alkyl and alkenyl pyrophosphates)

RN 6088-04-6 HCAPLUS

CN Diphosphoric acid, P-2-propen-1-yl ester (CA INDEX NAME)



INCL 514102000

IPCI C12N0005-02 [ICM,6]; C12N0005-06 [ICS,6]; A61K0031-66 [ICS,6]; C07F0009-02 [ICS,6]

IPCR C07F0009-09 [I,A]; C12N0005-02 [I,A]

NCL 514/102.000; 435/375.000; 435/384.000; 514/106.000; 514/134.000; 558/155.000; 558/156.000

CC 1-7 (Pharmacology)

IT 358-71-4, Isopentenyl pyrophosphate 358-72-5, Dimethylallyl pyrophosphate 372-97-4, Farnesyl pyrophosphate 763-10-0, Geranyl pyrophosphate 2466-09-3D, Diphosphoric acid, monoalkyl and monoalkenyl esters 6088-04-6, Allyl pyrophosphate 6699-20-3, Geranylgeranyl pyrophosphate 20680-57-3, Diphosphoric acid, monoethyl ester 22342-44-5, Crotyl pyrophosphate 24753-22-8 24753-28-4 52811-47-9, Diphosphoric acid, mono(butyl) ester 56399-35-0, Diphosphoric acid, monomethyl ester 56399-36-1, Diphosphoric acid, mono(1-methylethyl) ester 104072-24-4, Diphosphoric acid Mono(Propyl) ester
(stimulation of proliferation of V.gamma.2V.delta.2 T cells by alkyl and alkenyl pyrophosphates)

OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

L48 ANSWER 27 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 1997:94093 HCAPLUS Full-text

DOCUMENT NUMBER: 126:104365

ORIGINAL REFERENCE NO.: 126:20149a,20152a

TITLE: Preparation of substituted liposaccharide analogs useful in the treatment and prevention of endotoxemia

INVENTOR(S): Christ, William J.; Rossignol, Daniel P.; Kobayashi, Seiichi; Kawata, Tsutomu

PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan

SOURCE: PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9639411	A1	19961212	WO 1996-US9578 <--	19960605
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA				
US 5681824	A	19971028	US 1995-461677 <--	19950605
US 5750664	A	19980512	US 1995-461675 <--	19950605
CA 2223140	A1	19961212	CA 1996-2223140 <--	19960605
CA 2223140	C	20080805		
AU 9663802	A	19961224	AU 1996-63802 <--	19960605
AU 707779	B2	19990722		
ZA 9604666	A	19970311	ZA 1996-4666 <--	19960605
EP 853627	A1	19980722	EP 1996-923234 <--	19960605
EP 853627	B1	20040121		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
CN 1192216	A	19980902	CN 1996-195890 <--	19960605
CN 1067082	C	20010613		
HU 9802662	A2	19990528	HU 1998-2662 <--	19960605
HU 9802662	A3	19990628		
HU 221342	B1	20020928		
JP 11506793	T	19990615	JP 1997-501868 <--	19960605
JP 4009318	B2	20071114		
RU 2170738	C2	20010720	RU 1998-100107 <--	19960605
AT 258185	T	20040215	AT 1996-923234 <--	19960605
PT 853627	E	20040531	PT 1996-923234 <--	19960605
ES 2214543	T3	20040916	ES 1996-923234 <--	19960605
IL 149971	A	20100428	IL 1996-149971 <--	19960605
NO 9705644	A	19980204	NO 1997-5644 <--	19971204

NO 310239	B1	20010611			
JP 2007269812	A	20071018	JP 2007-154127 <--		20070611
JP 4712001	B2	20110629			
JP 2011121970	A	20110623	JP 2011-18401 <--		20110131
PRIORITY APPLN. INFO.:			US 1995-461675 <--	A1	19950605
			IL 1996-122251 <--	A3	19960605
			JP 1997-501868 <--	A3	19960605
			WO 1996-US9578 <--	W	19960605
			JP 2007-154127	A3	20070611

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 126:104365
ED Entered STN: 10 Feb 1997
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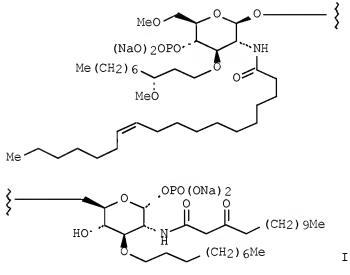


I

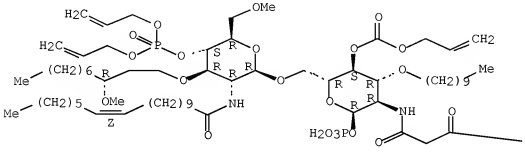
AB Novel substituted liposaccharides in the prophylactic and affirmative treatment of endotoxemia including sepsis, septicemia, and various forms of septic shock and methods of using these agents are provided. Also provided are method of prepg. these agents and intermediates useful therein. Thus, total prepn. of amidodeoxy oligosaccharide I is reported. I inhibited tumor-necrosis factor prodn. in vivo in mice (ED50 = 5 and 10.6 .mu.g/ mouse).

IT 185955-33-3P
(prepn. of substituted liposaccharide analogs useful in the treatment and prevention of endotoxemia)

RN 185955-33-3 HCAPLUS
CN .alpha.-D-Glucopyranose, 6-O-[4-O-[bis(2-propenyloxy)phosphinyl]-2-deoxy-3-O-[(3R)-3-methoxydecyl]-6-O-methyl-2-[[(11Z)-1-oxo-11-octadecenyl]amino]-.beta.-D-glucopyranosyl]-3-O-decyl-2-deoxy-2-[(1,3-dioxotetradecyl)amino]-, 1-(dihydrogen phosphate) 4-(2-propenyl carbonate), disodium salt (9CI) (CA INDEX NAME)

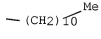
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



2 Na

PAGE 1-B



IPCI C07H0005-04 [ICM,6]; C07H0015-00 [ICS,6]; C07H0017-00 [ICS,6]
IPCR C07H0015-12 [I,A]; A61K0031-70 [I,A]; A61K0031-7028 [I,A]; A61P0031-00 [I,A]; A61P0031-04 [I,A]; C07H0003-04 [I,A]; C07H0011-00 [I,A]; C07H0011-04 [I,A]; C07H0013-06 [I,A]; C07H0015-04 [I,A]
CC 33-7 (Carbohydrates)
Section cross-reference(s): 1
IT 41233-29-8P 95548-26-8P 128313-03-1P 128387-27-9P 137766-83-7P 139629-59-7P 139686-99-0P 185954-74-9P 185954-75-0P 185954-76-1P 185954-77-2P 185954-78-3P 185954-79-4P

185954-80-7P 185954-81-8P 185954-82-9P 185954-83-0P
185954-84-1P 185954-85-2P 185954-86-3P 185954-87-4P
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185954-92-1P 185954-93-2P 185954-94-3P 185954-95-4P
185954-96-5P 185954-97-6P 185955-11-7P 185955-12-8P
185955-13-9P 185955-14-0P 185955-15-1P 185955-16-2P
185955-17-3P 185955-18-4P 185955-19-5P 185955-20-8P
185955-21-9P 185955-22-0P 185955-23-1P 185955-24-2P
185955-25-3P 185955-26-4P 185955-28-6P 185955-29-7P
185955-30-0P 185955-31-1P 185955-32-2P 185955-33-3P
(prepn. of substituted liposaccharide analogs useful in the treatment and prevention of endotoxemia)

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 28 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1996:713038 HCAPLUS Full-text
DOCUMENT NUMBER: 125:330468
ORIGINAL REFERENCE NO.: 125:61899a,61902a
TITLE: Low-toxicity aqueous solution of phosphorylcholine group-bearing polymer and its manufacture
INVENTOR(S): Nakabayashi, Nobuo; Ishihara, Kazuhiko; Shuto, Kenshiro; Matsuyama, Kazuo
PATENT ASSIGNEE(S): Nof Corporation, Japan; Research Development Corporation of Japan
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9631566	A1	19961010	WO 1996-JP894 <--	19960402
W: KR, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 08333421	A	19961217	JP 1996-78731 <--	19960401
JP 3532692	B2	20040531		
EP 767212	A1	19970409	EP 1996-907752 <--	19960402
EP 767212	B1	20010718		
R: BE, CH, DE, FR, GB, IT, LI, NL				
US 6204324	B1	20010320	US 1996-750102 <--	19961202
PRIORITY APPLN. INFO.:			JP 1995-77693 A <--	19950403
			JP 1996-78731 A <--	19960401
			WO 1996-JP894 W	19960402

<--

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 05 Dec 1996

AB A process for producing a title soln. useful for skin cares, hair cares, contact lens soilproofing, etc. (no data), comprises polymg. a polymerizable compn. contg. a phosphorylcholine group-bearing monomer of ZCH:C(R1)X(Y)mP(O)(O-)O(CH2)2N+R2R3R4 [X = divalent org. groups; Y = C1-6 alkylene oxide groups; Z = H; R5OCO, with R5 = C1-10 (hydroxy)alkyl; R1 = H, Me, R1-4 = H, C1-6 (hydroxy)hydrocarbyl; m = 0, 1] in the presence of a nonmetallic polymn. initiator sol. in a water-contg. medium, then purifying the resulting crude aq. soln. by a sepn. membrane. Aq. soln. produced by this process has an impurity content of .ltoreq.2000 ppm. Thus, polymg. 2-(methacryloyloxy)ethyl-2'-(trimethylammonio)ethyl phosphate using succinyl peroxide in water gave a polymer which was purified by a dialysis membrane.

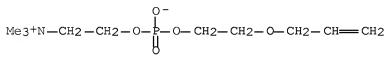
IT 183544-45-8P
(low-toxicity aq. soln. of phosphorylcholine group-bearing polymer and manuf.)

RN 183544-45-8 HCAPLUS

CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N-trimethyl-, inner salt, 4-oxide, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 183544-44-7
CMF C10 H22 N O5 P



IPCI C08L0043-02 [ICM,6]; C08F0006-06 [ICS,6]; C08F0030-02 [ICS,6]

IPCR C08F0006-00 [I,A]; C08F0006-06 [I,A]; C08F0030-02 [I,A]

CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 62, 63

IT 67881-99-6P 125275-25-4P 148569-41-9P 150120-18-6P
183544-43-6P 183544-45-8P 183601-60-7P
(low-toxicity aq. soln. of phosphorylcholine group-bearing polymer and manuf.)

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 29 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 1996:115532 HCAPLUS Full-text

DOCUMENT NUMBER: 124:234032

ORIGINAL REFERENCE NO.: 124:43371a,43374a

TITLE: Phosphate multivalent metal salts-modified organopolysiloxanes, their manufacture, and

gelling agents

INVENTOR(S): Ihara, Takeshi; Yano, Shinji; Kita, Katsumi

PATENT ASSIGNEE(S): Kao Corp, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

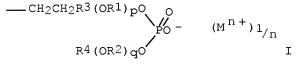
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07316169	A	19951205	JP 1994-112945 <--	19940526
JP 3511401	B2	20040329		
PRIORITY APPLN. INFO.:			JP 1994-112945 <--	19940526

ED Entered STN: 24 Feb 1996

GI



I

AB Title siloxanes, useful for gelling agents of silicone oils, cosmetics, medical materials, etc., have .gtoreq.1 Si modified with title salts (I) [R1, R2 = C2-20 linear or branched alkylene; R3 = (hydroxy-substituted) C1-20 linear or branched alkyl; M = alk. earth metal or .gtoreq.2-valent transition metal; p, q = 0-200, n = metal valence no.]. Thus, 10 g phosphate Ca salt and 5.0 g 1,1,1,3,5,5,5-heptamethyltrisiloxane were mixed at 70.degree. for 4h to give a modified organopolysiloxane, which was mixed with octamethylcyclotetrasiloxane to give a gel.

IT 173787-12-7
(manuf. of phosphate metal salt-modified organopolysiloxanes useful for gelling agents of silicone oils and cosmetics and medical materials)

RN 173787-12-7 HCAPLUS

CN Phosphoric acid, monododecyl mono[9-(2-propenyloxy)nonyl] ester, calcium salt (9CI) (CA INDEX NAME)

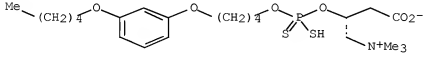
●1/2 Ca

IPCI C07F0009-09 [ICM,6]; C08G0077-395 [ICS,6]; C08L0083-08 [ICS,6]; C09K0003-00 [ICS,6]
IPCR C09K0003-00 [I,A]; C07F0009-09 [I,A]; C07F0019-00 [I,A]; C08G0077-38 [I,A]; C08G0077-395 [I,A]; C08L0083-04 [I,A]; C08L0083-08 [I,A]
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38, 62, 63
IT 1873-88-7, 1,1,1,3,5,5,5-Heptamethyltrisiloxane 17066-04-5 173787-04-7 173787-06-9 173787-08-1 173787-12-7 173787-14-9
(manuf. of phosphate metal salt-modified organopolysiloxanes useful for gelling agents of silicone oils and cosmetics and medical materials)

L48 ANSWER 30 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1995:641004 HCAPLUS Full-text
DOCUMENT NUMBER: 123:199145
ORIGINAL REFERENCE NO.: 123:35573a,35576a
TITLE: Process for preparing phosphinyloxy propanaminium inner salt derivatives
INVENTOR(S): Prashad, Mahavir; Kapa, Prasad K.
PATENT ASSIGNEE(S): Sandoz Ltd., Switz.
SOURCE: U.S., 20 pp. Continuation of Ser. No. US 93-73407, filed on 7 Jun 1993, now abando
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5412137	A	19950502	US 1994-197050 <--	19940216
PRIORITY APPLN. INFO.:			US 1993-73407 <--	B1 19930607

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 123:199145
ED Entered STN: 28 Jun 1995
GI



AB The prepn. of the title compds. R1OP(:X1)(X-)OCH(CH2CO2H)CH2N+R2R3R4 where X and X1 are independently O or S; R1 is e.g., alkyl, substituted-alkyl; R2, R3, and R4 are each independently straight or branched chain (C1-4)alkyl, and pharmaceutically acceptable salts, physiol. hydrolyzable esters, and pro-drug

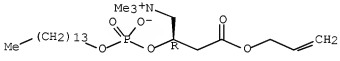
forms thereof, which are useful as hypoglycemic agents (test data given) are described. A representative prepd. compd. is (R)-3-carboxy-N,N,N-trimethyl-2-{[hydroxy(tetradecyloxy)phosphinyl]oxy}-1-propanaminium hydroxide inner salt.

IT 157244-58-1P
(prepn. of phosphinyloxy propanaminium inner salts as hypoglycemics)

RN 157244-58-1 HCAPLUS

CN 1-Butanaminium, 2-[[hydroxy(tetradecyloxy)phosphinyl]oxy]-N,N,N-trimethyl-4-oxo-4-(2-propenyloxy)-, inner salt, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



INCL 558146000

IPCI C07F0009-09 [ICM,6]; C07F0009-165 [ICS,6]

IPCR C07F0009-09 [I,A]; C07F0009-113 [I,A]; C07F0009-165 [I,A]; C07F0009-173 [I,A]

NCL 558/146.000; 558/169.000; 558/170.000

CC 29-7 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 1

IT

157244-54-7P	157244-55-8P	157244-56-9P	157244-57-0P
157244-58-1P	157244-59-2P	157244-60-5P	157244-61-6P
157244-62-7P	157244-63-8P	157244-64-9P	157244-66-1P
157244-67-2P	157244-68-3P	157244-69-4P	157244-70-7P
157244-71-8P	157244-72-9P	157244-73-0P	157244-74-1P
157244-75-2P	157244-76-3P	157244-77-4P	157244-78-5P
157244-79-6P	157244-80-9P	157244-81-0P	157244-82-1P
157244-83-2P	157244-84-3P	157244-85-4P	157244-86-5P
157244-87-6P	157244-88-7P	157244-89-8P	157244-90-1P
157244-91-2P	157244-92-3P	157244-93-4P	157244-94-5P
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157244-99-0P	157245-00-6P	157245-01-7P	157245-02-8P
157245-03-9P	157245-04-0P	157245-05-1P	157245-06-2P
157245-07-3P	157245-08-4P	157245-09-5P	157245-10-8P
157245-11-9P	157245-12-0P	157245-13-1P	157245-14-2P
157245-15-3P	157245-16-4P	157245-18-6P	157245-19-7P
157245-20-0P	157245-22-2P	157245-23-3P	157245-24-4P
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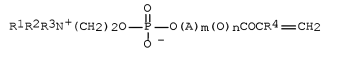
157245-33-5P	157245-34-6P	157245-35-7P	157245-36-8P
157245-37-9P	157245-38-0P	157245-39-1P	157245-40-4P
157245-42-6P	157245-43-7P	157245-44-8P	157245-45-9P
157245-46-0P	157245-47-1P	157245-48-2P	157245-49-3P
157245-50-6P	157245-51-7P	157245-52-8P	157245-53-9P
157245-54-0P	157245-55-1P	157245-56-2P	157245-57-3P
157245-58-4P	157245-59-5P	157245-60-8P	157245-61-9P
157245-62-0P	157245-63-1P	157245-64-2P	167684-91-5P

167685-41-8P 167685-42-9P
(prepn. of phosphinyloxy propanaminium inner salts as hypoglycemics)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L48 ANSWER 31 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1995:528833 HCAPLUS Full-text
DOCUMENT NUMBER: 123:33387
ORIGINAL REFERENCE NO.: 123:6183a,6186a
TITLE: Preparation of polymerizable phosphorylcholine derivatives with medical applications
INVENTOR(S): Suzuki, Hiroshi; Kadoma, Yoshihito; Nakabayashi, Norio; Ishihara, Kazuhiko
PATENT ASSIGNEE(S): Nippon Oils & Fats Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07010892	A	19950113	JP 1993-150717 <--	19930622
JP 3419030	B2	20030623		
PRIORITY APPLN. INFO.:			JP 1993-150717 <--	19930622

OTHER SOURCE(S): MARPAT 123:33387
ED Entered STN: 06 May 1995
GI



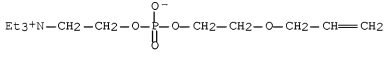
II

AB The title derivs. II (R1-3 = H, C1-3 alkyl; R4 = H, Me; A = linear or branched alkylene; m, n = 0, 1), useful as materials for medical appliances, e.g. catheters, artificial organs and blood vessels, contact lenses, cosmetics, water-absorbing materials, etc., are prepd. by treatment of R1R2R3N+(CH2)2OH Y- (Y- = anion) with X1X2P(O)O(A)m(O)nCOCR4:CH2 (I; X1-2 = halo) in the presence or absence of bases while removing hydrogen halides formed in the reaction followed by hydrolysis of the resulting products by treatment with H2O. This methods give the products without using toxic Me3N with offensive odor. CH2:CMeCO2CH2CH2OH was treated with POCl3 and Et3N in CH2Cl2 at 0.degree. for 4 h to give 95% I (R4 = Me, X1 = X2 = Cl, A = CH2CH2, m = n = 1). This was further treated with Me3N+CH2CH2OH Cl- and Et3N in CH2Cl2 at 0.degree. for 2 h, and after removal of Et3N.HCl, treated with H2O at 0.degree. for 2 h to give 65% II (R1 = R2 = R3 = R4 = Me, A = CH2CH2, n = m = 1).
IT 163716-44-7P

(prepn. of (meth)acryloyloxyethyl trialkylammonioethyl phosphates as monomers for medical materials and appliances from (hydroxyethyl)trialkylammonium halides and (meth)acryloyloxyethyl dihalophosphates)

RN 163716-44-7 HCAPLUS

CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, N,N,N-triethyl-, inner salt, 4-oxide (9CI) (CA INDEX NAME)



IPCI C07F0009-09 [ICM,6]

IPCR C07F0009-09 [I,A]

CC 29-7 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 63

IT 163716-43-6P 163716-44-7P
(prepn. of (meth)acryloyloxyethyl trialkylammonioethyl phosphates as monomers for medical materials and appliances from (hydroxyethyl)trialkylammonium halides and (meth)acryloyloxyethyl dihalophosphates)

L48 ANSWER 32 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN

ACCESSION NUMBER: 1995:526804 HCAPLUS Full-text

DOCUMENT NUMBER: 122:291219

ORIGINAL REFERENCE NO.: 122:53107a,53110a

TITLE: Phosphonooxymethyl or methylthiomethyl ethers of taxane derivatives as antitumor agents.

INVENTOR(S): Golik, Jerzy; Kadow, John F.; Kaplan, Murray A.; Li, Wen-Sen; Perrone, Robert K.; Thottathil, John K.; Vyas, Dolatrai; Wittman, Mark D.; Wong, Henry; Wright, John J.

PATENT ASSIGNEE(S): Bristol-Myers Squibb Co., USA

SOURCE: Eur. Pat. Appl., 124 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 37

PATENT INFORMATION:

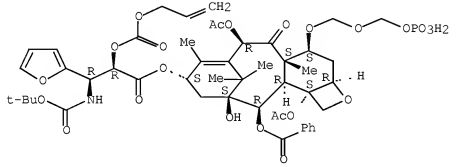
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 639577	A1	19950222	EP 1994-112803 <--	19940816
EP 639577	B1	20020515		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
IL 122990	A	20020523	IL 1993-122990 <--	19931223
IL 148029	A	20050517	IL 1993-148029 <--	19931223

CA 2129288	A1	19950218	CA 1994-2129288 <--	19940802
CA 2129288	C	20000516		
HU 67742	A2	19950428	HU 1994-2342 <--	19940812
JP 07149779	A	19950613	JP 1994-250219 <--	19940812
JP 3062986	B2	20000712		
FI 9403749	A	19950218	FI 1994-3749 <--	19940815
FI 113271	B1	20040331		
NO 9403002	A	19950220	NO 1994-3002 <--	19940815
NO 309093	B1	20001211		
AU 9470267	A	19950302	AU 1994-70267 <--	19940815
AU 694941	B2	19980806		
CN 1111637	A	19951115	CN 1994-109468 <--	19940815
CN 1051315	C	20000412		
RU 2128661	C1	19990410	RU 1994-29662 <--	19940815
ZA 9406180	A	19950216	ZA 1994-6180 <--	19940816
PL 179636	B1	20001031	PL 1994-304649 <--	19940816
AT 217629	T	20020615	AT 1994-112803 <--	19940816
PT 639577	E	20021031	PT 1994-112803 <--	19940816
ES 2176212	T3	20021201	ES 1994-112803 <--	19940816
US 5646176	A	19970708	US 1995-445360 <--	19950519
US 6066747	A	20000523	US 1995-522307 <--	19951030
US 20010023255	A1	20010920	US 1997-870794 <--	19970606
US 6455575	B2	20020924		
AU 9891356	A	19990114	AU 1998-91356 <--	19981106
AU 706511	B2	19990617		
CN 1237580	A	19991208	CN 1999-105343 <--	19990429
CN 1100771	C	20030205		
US 20030027855	A1	20030206	US 2002-208418 <--	20020730
US 6710191	B2	20040323		
PRIORITY APPLN. INFO.:			US 1993-108015 A <--	19930817
			US 1993-154840 A <--	19931124
			US 1994-245119 A <--	19940517
			US 1992-996455 B2 <--	19921224

IL 1993-108161 <--	A3	19931223
IL 1993-122990 <--	A3	19931223
WO 1994-US2382 <--	W	19940304
AU 1994-70267 <--	A3	19940815
US 1995-427502 <--	B1	19950424
US 2000-566970 <--	A1	20000509

OTHER SOURCE(S): MARPAT 122:291219
ED Entered STN: 05 May 1995
AB Taxane derivs. T-[OCH2(OCH2)mOP(O)(OH)2]n [T = taxane substituted at C-13 by 3-amino-2-hydroxypropanoyloxy; m = 0-6; n = 1-3] were prepd. from paclitaxel or baccatin III via T'-[OCH2(OCH2)mSMe]n [T' = protected T] for use as antitumor agents. Thus, paclitaxel was converted to its 7-O-methylthiomethyl deriv., treated with dibenzyl phosphate, followed by hydrogenolysis to give 7-O-phosphonooxymethylpaclitaxel. This compd. had an IC50 against HCT-116 human carcinoma of 0.0158 .mu.M. Some of the methylthiomethyl derivs. also have antitumor activity.
IT 1242672-84-9
(Phosphonooxymethyl or methylthiomethyl ethers of taxane derivatives as antitumor agents.)
RN 1242672-84-9 HCAPLUS
CN 2-Furanpropanoic acid, .beta.-[[(1,1-dimethylethoxy)carbonyl]amino]-.alpha.-[[(2-propen-1-yloxy)carbonyl]oxy]-, (2aR,4S,4aS,6R,9S,11S,12R,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-11-hydroxy-4a,8,13,13-tetramethyl-5-oxo-4-[[(phosphonooxy)methoxy]methoxy]-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester, (.alpha.R,.beta.R)- (CA INDEX NAME)

Absolute stereochemistry.



IPCI C07F0009-655 [ICM,6]; A61K0031-66 [ICS,6]; A61K0031-335 [ICS,6]; C07D0305-14 [ICS,6]; C07D0407-12 [ICS,6]; C07F0009-6558 [ICS,6]
IPCR A61K0031-665 [I,A]; A61K0031-00 [I,A]; A61K0031-335 [I,A]; A61P0035-00 [I,A]; C07C0323-13 [I,A]; C07D [I,S]; C07D0305-14 [I,A]; C07D0407-12 [I,A]; C07D0409-12 [I,A]; C07F0007-18 [I,A]; C07F0009-09 [I,A];

C07F0009-655 [I,A]; C07F0009-6558 [I,A]; H01L0021-48 [I,A]
CC 30-20 (Terpenes and Terpenoids)
Section cross-reference(s): 1
IT 1242672-58-7 1242672-59-8 1242672-60-1 1242672-61-2
1242672-62-3 1242672-63-4 1242672-64-5 1242672-65-6
1242672-66-7 1242672-67-8 1242672-68-9 1242672-69-0
1242672-70-3 1242672-71-4 1242672-72-5 1242672-73-6
1242672-74-7 1242672-75-8 1242672-76-9 1242672-77-0
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1242673-03-5 1242673-04-6 1242673-05-7 1242673-06-8
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(Phosphonooxymethyl or methylthiomethyl ethers of taxane derivatives as antitumor agents.)

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(Phosphonooxymethyl or methylthiomethyl ethers of taxane

derivatives as antitumor agents.)
OS.CITING REF COUNT: 24 THERE ARE 24 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)

L48 ANSWER 33 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1995:297487 HCAPLUS Full-text
DOCUMENT NUMBER: 122:81691
ORIGINAL REFERENCE NO.: 122:15531a,15534a
TITLE: Preparation of phosphonooxymethyl taxane ethers as neoplasm inhibitors
INVENTOR(S): Golik, Jerzy; Vyas, Dolatrai; Wrigth, John J. Kim; Wong, Henry; Kadow, John F.; Thotathil, John K.; Li, Wen-Sen; Kaplan, Murray A.; Perrone, Robert K.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Co., USA
SOURCE: Eur. Pat. Appl., 96 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 37
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 604910	A1	19940706	EP 1993-120801 <--	19931223
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IL 129059	A	20010724	IL 1993-129059 <--	19930722
ZA 9309290	A	19940610	ZA 1993-9290 <--	19931210
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NO 310238	B1	20010611		
AU 9352609	A	19940707	AU 1993-52609 <--	19931221
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PL 175014	B1	19981030	PL 1993-301610 <--	19931222
FI 9305821	A	19940625	FI 1993-5821 <--	19931223
FI 111724	B1	20030915		
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PT 604910	E	20000929	PT 1993-120801 <--	19931223
ES 2147739	T3	20001001	ES 1993-120801 <--	19931223
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IL 148029	A	20050517	IL 1993-148029 <--	19931223
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CN 1037774	C	19980318		
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JP 3189140	B2	20010716		
TW 410228	B	20001101	TW 1993-110985 <--	19931224
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PRIORITY APPLN. INFO.:			US 1992-996455 <--	A 19921224
			US 1993-108015 <--	A 19930817
			US 1993-154840 <--	A 19931124
			US 1992-955008 <--	A 19921001
			US 1992-981151 <--	A 19921124
			US 1992-995443 <--	A 19921223
			US 1993-80704 <--	A 19930628
			IL 1993-106453 <--	A3 19930722
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US 1995-427502	B1 19950424
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US 2000-566970	A1 20000509
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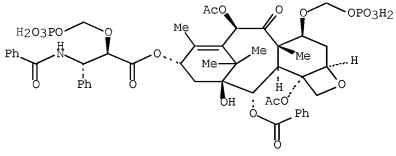
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 122:81691
ED Entered STN: 18 Jan 1995
GI



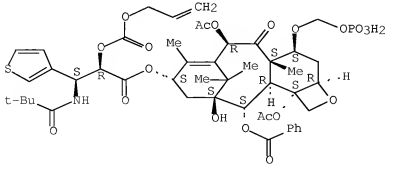
AB T[OCH2(OCH2)mOP(O)(OH)2]n [T = a taxane moiety bearing on the C-13 C atom a substituted 3-amino-2-hydroxypropanoyloxy group (sic); m = 0-6; n = 1-3] were prepd. Thus, paclitaxel was converted in 5 steps to 7-O-phosphonooxymethylpaclitaxel triethanolamine salt which gave survival of M109 lung carcinoma-implanted mice 160% that of controls at 24mg/kg i.v. on days 5,6,7,8, and 9 post tumor implant.

IT 1242690-20-5
(Preparation of phosphonooxymethyl taxane ethers as neoplasm inhibitors)

RN 1242690-20-5 HCAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



IPCI C07F0009-655 [ICM,5]; A61K0031-675 [ICS,5]; C07F0009-6558 [ICS,5]; C07D0305-14 [ICS,5]; C07D0407-12 [ICS,5]; C07F0007-18 [ICS,5]
IPCR A61K0031-665 [I,A]; A61P0035-00 [I,A]; C07D0305-14 [I,A]; C07D0407-12 [I,A]; C07D0409-12 [I,A]; C07F0007-18 [I,A]; C07F0009-655 [I,A]; C07F0009-6558 [I,A]; H01L0021-48 [I,A]
CC 30-20 (Terpenes and Terpenoids)
Section cross-reference(s): 1
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(Preparation of phosphonooxymethyl taxane ethers as neoplasm inhibitors)

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(Preparation of phosphonooxymethyl taxane ethers as neoplasm inhibitors)

OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L48 ANSWER 34 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1994:534463 HCAPLUS Full-text
DOCUMENT NUMBER: 121:134463
ORIGINAL REFERENCE NO.: 121:24325a,24328a
TITLE: Phosphinyloxy propanaminium inner salt derivatives with hypoglycemic activity
INVENTOR(S): Anderson, Robert Charles; Bebernitz, Gregory R.; Fraser, James D.; Hughes, Jeffrey W.; Kapa, Prasad K.; Prashad, Mahavir; Smith, Howard C.; Willhauer, Edwin B.
PATENT ASSIGNEE(S): Sandoz Ltd., Switz.; Sandoz-Patent-G.m.b.H.; Sandoz-Erfindungen Verwaltungsgesellschaft m.b.H.
SOURCE: Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 574355	A1	19931215	EP 1993-810406 <--	19930607
EP 574355	B1	19970813		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
HU 65327	A2	19940502	HU 1993-1587 <--	19930528
AT 156828	T	19970815	AT 1993-810406 <--	19930607
ES 2105194	T3	19971016	ES 1993-810406 <--	19930607
NO 9302096	A	19931213	NO 1993-2096 <--	19930609
AU 9340115	A	19931216	AU 1993-40115 <--	19930609
AU 667537	B2	19960328		
IL 105965	A	19970318	IL 1993-105965 <--	19930609
CA 2098133	A1	19931212	CA 1993-2098133 <--	19930610
JP 06073077	A	19940315	JP 1993-163868 <--	19930610
CN 1086217	A	19940504	CN 1993-108729 <--	19930610
CN 1039326	C	19980729		
ZA 9304157	A	19940905	ZA 1993-4157 <--	19930611
US 5516767	A	19960514	US 1995-373802 <--	19950117
PRIORITY APPLN. INFO.:			US 1992-897210 <--	A 19920611
			US 1993-72804 <--	B1 19930607

US 1994-189856 B1 19940201
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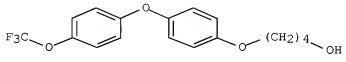
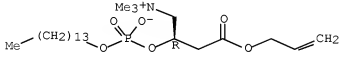
OTHER SOURCE(S): CASREACT 121:134463; MARPAT 121:134463
ED Entered STN: 17 Sep 1994
GI



AB Title compds. ROP(:X1)(X-)OCH(CH2CO2H)CH2N+R1R2R3 (X, X1 = O, S; R = organyl e.g., tetradecyl; R1, R2, R3 = C1-4-alkyl) were prepd. in free acid form or in salt, physiol. hydrolyzable ester or pro-drug form. They can be prepd. by various procedures, e.g. coupling accompanied by oxidn. or thiolation and hydrolysis or thiolysis, or by redn. to amino of a nitro substituent on an arom. ring. They possess hypoglycemic activity and are thus indicated for use in the treatment of diabetes.
IT 157244-58-1
(prepn. as hypoglycemics)
RN 157244-58-1 HCAPLUS
CN 1-Butanaminium, 2-[[hydroxy(tetradecyloxy)phosphinyl]oxy]-N,N,N-trimethyl-4-oxo-4-(2-propenyloxy)-, inner salt, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IPCI C07F0009-09 [ICM,5]; A61K0031-66 [ICS,5]; C07F0009-165 [ICS,5]; C07F0009-113 [ICS,5]
IPCR A61K0031-66 [I,A]; A61P0003-08 [I,A]; A61P0003-10 [I,A]; C07C0211-63 [I,A]; C07F0009-06 [I,A]; C07F0009-09 [I,A]; C07F0009-113 [I,A]; C07F0009-165 [I,A]
CC 29-7 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 1
IT 157244-53-6 157244-54-7 157244-55-8 157244-56-9 157244-57-0
157244-58-1 157244-59-2 157244-60-5 157244-61-6
157244-62-7 157244-63-8 157244-64-9 157244-65-0 157244-66-1
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157245-52-8 157245-53-9 157245-54-0 157245-55-1 157245-56-2
157245-57-3
(prepn. as hypoglycemics)

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L48 ANSWER 35 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1994:517786 HCAPLUS Full-text
DOCUMENT NUMBER: 121:117786
ORIGINAL REFERENCE NO.: 121:21093a,21096a
TITLE: Diester monomer, its polymer, water-containing soft contact lens, and processing solution for contact lens
INVENTOR(S): Koinuma, Yasumi; Matsumoto, Takeo; Nakada, Nobuharu; Nakabayashi, Nobuo; Ishihara, Kazuhiko
PATENT ASSIGNEE(S): NOF Corp., Japan
SOURCE: Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 580435	A1	19940126	EP 1993-305795 <--	19930722
EP 580435	B1	19980916		
R: BE, CH, DE, FR, GB, IT, LI, NL				
JP 06041156	A	19940215	JP 1992-197235 <--	19920723
JP 3240695	B2	20011217		
JP 06041157	A	19940215	JP 1992-197238 <--	19920723
JP 3240696	B2	20011217		
JP 06043407	A	19940218	JP 1992-197236 <--	19920723
JP 3206117	B2	20010904		
JP 06043408	A	19940218	JP 1992-197237 <--	19920723
JP 3206118	B2	20010904		
JP 06043400	A	19940218	JP 1992-198633 <--	19920724
JP 3227810	B2	20011112		
JP 06043401	A	19940218	JP 1992-198634	19920724

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JP 3227811	B2	20011112			
US 5466853	A	19951114	US 1993-94293		19930719
				<--	
PRIORITY APPLN. INFO.:			JP 1992-197235	A	19920723
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			JP 1992-197236	A	19920723
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			JP 1992-197237	A	19920723
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			JP 1992-197238	A	19920723
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			JP 1992-198633	A	19920724
				<--	
			JP 1992-198634	A	19920724
				<--	

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 121:117786
ED Entered STN: 03 Sep 1994

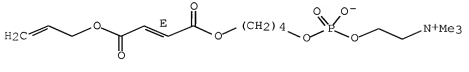
AB A diester monomer is represented by the formula HR1C:CR3(CH2)mR2 (I), wherein R1, R2, and R3 represent a halogen atom, an alkoxy, an alkenyloxy, a hydroxyalkyloxycarbonyl, or a phosphorylcholine deriv. group. A polymer and a water-contg. contact lens are obtained by polymg. a starting component material including the above-mentioned diester monomer of the formula I. A contact lens processing soln. includes the polymer and a solvent for dissolving the polymer. The polymers provide a soft contact lens with an improved water content and O permeability. For example, .alpha.-isopropyl-.beta.-[(2'-trimethylammonio)ethyl Et phosphate]itaconate-allyl methacrylate copolymer was prepd. and showed a higher water content and O permeation coeff., compared to those of 2-hydroxyethyl methacrylate-ethylene glycol dimethacrylate copolymer.

IT 156526-61-3P
(prepn. of, for manuf. of soft contact lenses)
RN 156526-61-3 HCAPLUS
CN 3,5,10,15-Tetraoxa-4-phosphaoctadeca-12,17-dien-1-aminium, 4-hydroxy-N,N,N-trimethyl-11,14-dioxo-, inner salt, 4-oxide, (E)-, polymer with 1,2-ethanediyl bis(2-methyl-2-propenoate) and 2-hydroxyethyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

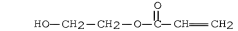
CRN 156526-60-2
CMF C16 H28 N O8 P

Double bond geometry as shown.



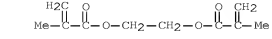
CM 2

CRN 818-61-1
CMF C5 H8 O3



CM 3

CRN 97-90-5
CMF C10 H14 O4

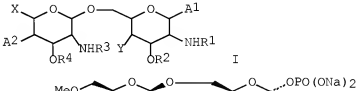


IPCI C07F0009-10 [ICM,5]; C08F0030-02 [ICS,5]; G02C0007-04 [ICS,5]
IPCR C07F0009-09 [I,A]; C08F0030-02 [I,A]; G02B0001-04 [I,A]
CC 63-7 (Pharmaceuticals)
Section cross-reference(s): 35
IT 156526-57-7P 156526-59-9P 156526-61-3P 156526-68-0P
156549-95-0P 156549-97-2P 156608-05-8P 156608-07-0P
156608-08-1P 156608-09-2P 156608-11-6P 156608-12-7P
156608-13-8P 156608-14-9P 156608-15-0P 156608-16-1P
156608-17-2P 156608-18-3P 156608-19-4P 156608-20-7P
156608-21-8P 156608-22-9P 156608-24-1P 156608-26-3P
156608-27-4P 156646-89-8P 156646-90-1P 156646-91-2P
156646-93-4P 156978-35-7P
(prepn. of, for manuf. of soft contact lenses)
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L48 ANSWER 36 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1994:77596 HCAPLUS Full-text
DOCUMENT NUMBER: 120:77596
ORIGINAL REFERENCE NO.: 120:13977a,13980a
TITLE: Preparation and antitumor activity of anti-endotoxin lipid A analogs
INVENTOR(S): Christ, William J.; Kawata, Tsutomu; Hawkins, Lynn D.; Kobayashi, Seiichi; Asano, Osamu; Rossignol, Daniel P.
PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 213 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 536969	A2	19930414	EP 1992-309057 <--	19921005
EP 536969	A3	19940518		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
US 5530113	A	19960625	US 1992-935050 <--	19920825
PRIORITY APPLN. INFO.:			US 1991-776100 A <--	19911011
			US 1992-935050 A <--	19920825

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 120:77596
ED Entered STN: 19 Feb 1994
GI



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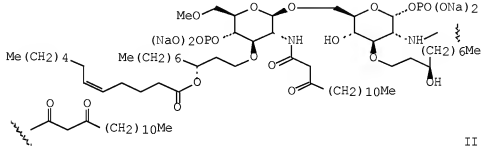


II

AB Title compds. I [R1-R4 = acyl, alkenylcarboxy, alkynylcarboxy; A1, A2 = H, OH, OMe, (CH2)nCO2H, O(CH2)nCO2H, O(CH2)nPO3H2, (CH2)nOPO3H2, n = 0-5; X = H, alkyl, alkenyl, hydroxyalkyl, alkoxyalkyl, (CH2)mOPO3H2, (CH2)mOR5, m = 0-14, R5 = R1-R4; Y = H, OH, halo, OZ(CH2)mMe, Z = bond, CO, CO2], were prepd. as virucides. Thus, compd. II was prepd. and effectively inhibited in vivo LPS-induced prodn. of tumor necrosis factor (TNF) in mice (ED50 = 16.2 .mu.g/mouse).

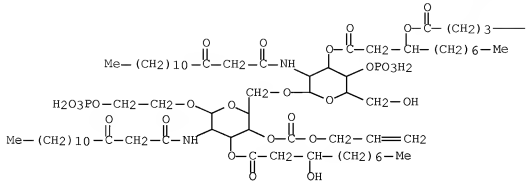
IT 151663-32-0
(prepn. as intermediate in prepn. of disaccharide lipid A analogs as neoplasm inhibitors)

RN 151663-32-0 HCAPLUS

CN .alpha.-D-Glucopyranoside, 2-(phosphonooxy)ethyl 2-deoxy-6-O-[2-deoxy-2-[(1,3-dioxotetradecyl)amino]-3-O-[1-oxo-3-[(1-oxo-5-dodecenyl)oxy]decyl]-4-O-phosphono-.beta.-D-glucopyranosyl]-2-[(1,3-dioxotetradecyl)amino]-, 3-(3-hydroxydecanoate) 4-(2-propenyl

carbonate), [3(R),6[R(%)]]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

—CH═CH—(CH2)5—Me

IPCI C07H0013-06 [ICM,5]; C07H0017-04 [ICS,5]; C07H0015-04 [ICS,5]; C07H0015-06 [ICS,5]; C07H0015-10 [ICS,5]; C07H0015-18 [ICS,5]; A61K0031-70 [ICS,5]; C07H0013-04 [ICS,5]

IPCR A61K0031-35 [I,A]; A61K0031-351 [I,A]; A61K0031-739 [I,A]; A61P0031-04 [I,A]; A61P0031-12 [I,A]; C07D0309-10 [I,A]; C07H0003-04 [I,A]; C07H0005-04 [I,A]; C07H0005-06 [I,A]; C07H0007-02 [I,A]; C07H0011-04 [I,A]; C07H0013-06 [I,A]; C07H0015-10 [I,A]

CC 33-4 (Carbohydrates)
Section cross-reference(s): 1, 6, 34

IT 2430-94-6 13195-66-9 16383-57-6 19307-20-1, 5-Dodecynoic acid
22348-96-5 25941-03-1 26817-68-5 35087-25-3 38972-51-9
38972-58-6 38972-73-5 51450-36-3 51721-40-5 51721-41-6
56618-58-7 67587-21-7 74124-22-4 76062-98-1 76690-01-2
87357-65-1 88222-72-4 97747-17-6 99049-68-0 119471-50-0
121524-01-4 126761-03-3, 5-Dodecynenitrile 128313-03-1
128387-27-9 130322-00-8 151662-55-4 151662-56-5 151662-57-6
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152375-80-9 152375-82-1 152376-87-9 152376-89-1 179893-85-7
(prepn. as intermediate in prepn. of disaccharide lipid A analogs as neoplasm inhibitors)

OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

L48 ANSWER 37 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1990:514809 HCAPLUS Full-text
DOCUMENT NUMBER: 113:114809
ORIGINAL REFERENCE NO.: 113:19439a,19442a
TITLE: Phenol derivatives as platelet activating factor inhibitors
INVENTOR(S): Wissner, Allan; Schaub, Robert E.; Sum, Phaik Eng
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: Eur. Pat. Appl., 88 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 336142	A2	19891011	EP 1989-104429 <--	19890313
EP 336142	A3	19910424		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
NO 8901376	A	19891005	NO 1989-1376 <--	19890331
AU 8932394	A	19891005	AU 1989-32394	19890403

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AU 626844	B2	19920813			
DK 8901600	A	19891005	DK 1989-1600		19890403
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FI 8901583	A	19891005	FI 1989-1583		19890403
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ZA 8902447	A	19891227	ZA 1989-2447		19890403
			<--		
JP 02006470	A	19900110	JP 1989-81640		19890403
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US 5215975	A	19930601	US 1991-763716		19910923
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US 5234918	A	19930810	US 1991-763714		19910923
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AU 9228337	A	19930211	AU 1992-28337		19921112
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US 5411983	A	19950502	US 1993-99037		19930728
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PRIORITY APPLN. INFO.:			US 1988-177299	A	19880404
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			US 1991-763716	A1	19910923
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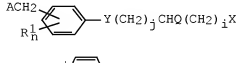
OTHER SOURCE(S): MARPAT 113:114809
ED Entered STN: 29 Sep 1990
GI



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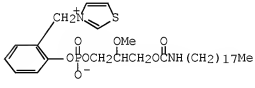
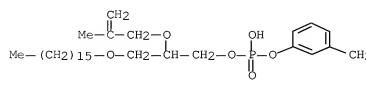


II

AB Title compds. I [X = alkyl, PhO, Ph, alkoxy, etc.; i = 1-3; j = 1-6; Q = RO, ROCOCH2O, RCO2 (R = H, alkyl, alkenyl); Y = OCO, OCH2, OP(O)(O-)O; R1 = alkyl, alkoxy, halo; n = 1-4; A = 5- to 7-membered arom. heterocyclyl contg. .gtoreq.1N (and which may contain S), (R2)2S+, (R3)3P+; R2 = alkyl; R3 = alkyl, (substituted) Ph] are prepd. Thiazolium phosphate internal salt II (prepd. from PhCHO and glycerol with 7 steps) showed 61.8% inhibition of PAF-induced vascular permeability in guinea pig skin.

IT 127164-65-2P
(prepn. and reaction of, in prepn. of platelet activating factor inhibitors)

RN 127164-65-2 HCAPLUS
CN Phosphoric acid, mono[3-(bromomethyl)phenyl] mono[3-(hexadecyloxy)-2-[(2-methyl-2-propen-1-yl)oxy]propyl] ester (CA INDEX NAME)



IPCI C07F0009-12 [ICM,4]; C07F0009-54 [ICS,4]; C07F0009-65 [ICS,4]; C07C0149-46 [ICS,4]; A61K0031-66 [ICS,4]; A61K0031-095 [ICS,4]
IPCR A61K0031-095 [I,A]; A61K0031-215 [I,A]; A61K0031-415 [I,A]; A61K0031-425 [I,A]; A61K0031-426 [I,A]; A61K0031-44 [I,A]; A61K0031-4418 [I,A]; A61K0031-4425 [I,A]; A61K0031-47 [I,A]; A61K0031-472 [I,A]; A61K0031-495 [I,A]; A61K0031-50 [I,A]; A61K0031-505 [I,A]; A61K0031-685 [I,A]; A61P0001-04 [I,A]; A61P0007-00 [I,A]; A61P0007-02 [I,A]; A61P0009-06 [I,A]; A61P0011-00 [I,A]; A61P0011-08 [I,A]; A61P0011-16 [I,A]; A61P0017-00 [I,A]; A61P0035-00 [I,A]; A61P0037-08 [I,A]; C07C0043-174 [I,A]; C07C0043-178 [I,A]; C07C0059-125 [I,A]; C07C0309-73 [I,A]; C07C0381-00 [I,A]; C07C0381-12 [I,A]; C07D0213-20 [I,A]; C07D0215-10 [I,A]; C07D0217-10 [I,A]; C07D0233-60 [I,A]; C07D0233-68 [I,A]; C07D0233-70 [I,A]; C07D0237-08 [I,A]; C07D0239-20 [I,A]; C07D0239-26 [I,A]; C07D0241-12 [I,A]; C07D0277-22 [I,A]; C07D0295-04 [I,A]; C07D0521-00 [I,A]; C07F0009-12 [I,A]; C07F0009-54 [I,A]; C07F0009-58 [I,A]; C07F0009-60 [I,A]; C07F0009-62 [I,A]; C07F0009-6509 [I,A]; C07F0009-6539 [I,A]
CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1, 27, 28, 29
IT 1708-40-3P 27079-92-1P 54267-06-0P 80350-03-4P 99884-78-3P
104216-84-4P 111841-39-5P 111841-45-3P 111841-68-0P
121348-74-1P 127164-51-6P 127164-52-7P 127164-53-8P
127164-54-9P 127164-55-0P 127164-56-1P 127164-57-2P
127164-58-3P 127164-59-4P 127164-60-7P 127164-61-8P
127164-62-9P 127164-63-0P 127164-64-1P 127164-65-2P
127164-66-3P 127164-67-4P 127164-68-5P 127164-69-6P
127164-70-9P, 8-Hydroxy-7-methoxy-1-octene 127164-71-0P
127164-72-1P 127164-73-2P 127164-74-3P
(prepn. and reaction of, in prepn. of platelet activating factor inhibitors)
IT 127164-07-2P 127164-08-3P 127164-09-4P 127164-10-7P
127164-11-8P 127164-12-9P 127164-13-0P 127164-14-1P
127164-15-2P 127164-16-3P 127164-17-4P 127164-18-5P
127164-19-6P 127164-20-9P 127164-21-0P 127164-22-1P
127164-23-2P 127164-24-3P 127164-25-4P 127164-26-5P
127164-27-6P 127164-28-7P 127164-29-8P 127164-30-1P
127164-31-2P 127164-32-3P 127164-33-4P 127164-34-5P
127164-35-6P 127164-36-7P 127164-37-8P 127164-38-9P
127164-39-0P 127164-40-3P 127164-41-4P 127164-42-5P
127164-43-6P 127164-44-7P 127164-45-8P 127164-46-9P
127164-47-0P 127164-48-1P 127164-49-2P 127164-50-5P

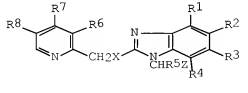
127190-20-9P 127190-21-0P 127190-22-1P 129008-01-1P
(prepn. of, as platelet activating factor inhibitor)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L48 ANSWER 38 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1989:57664 HCAPLUS Full-text
DOCUMENT NUMBER: 110:57664
ORIGINAL REFERENCE NO.: 110:9549a,9552a
TITLE: (Pyridinylmethyl)sulfinylbenzimidazole derivatives as antiulcer agents, their preparation and formulations containing them
INVENTOR(S): Alminger, Tomas Boerje; Bergman, Rolf Axel; Bundgaard, Hans; Lindberg, Per Lennart; Sunden, Gunnel Elisabeth
PATENT ASSIGNEE(S): Aktiebolag Haessle, Swed.
SOURCE: PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8803921	A1	19880602	WO 1987-SE546 <--	19871120
W: AT, AU, BB, BG, BR, CH, DE, DK, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU, US				
RW: AT, BE, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
ZA 8708263	A	19880727	ZA 1987-8263 <--	19871103
IL 84504	A	19941007	IL 1987-84504 <--	19871117
AU 8783302	A	19880616	AU 1987-83302 <--	19871120
AU 612129	B2	19910704		
EP 279149	A2	19880824	EP 1987-850362 <--	19871120
EP 279149	A3	19880831		
EP 279149	B1	19921230		
R: ES, GR				
DD 270531	A5	19890802	DD 1987-309270 <--	19871120
EP 332647	A1	19890920	EP 1987-908006 <--	19871120
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 02500744	T	19900315	JP 1988-500255 <--	19871120
HU 51269	A2	19900428	HU 1987-6196 <--	19871120
HU 204814	B	19920228		
EP 510719	A1	19921028	EP 1992-108817 <--	19871120
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				

AT 84032	T	19930115	AT 1987-850362 <--		19871120
ES 2052603	T3	19940716	ES 1987-850362 <--		19871120
RU 2062778	C1	19960627	RU 1987-4614294 <--		19871120
CN 87107309	A	19880824	CN 1987-107309 <--		19871121
CN 1023226	C	19931222			
PL 157655	B1	19920630	PL 1987-268927 <--		19871121
DK 8803654	A	19880701	DK 1988-3654 <--		19880701
NO 8803229	A	19880916	NO 1988-3229 <--		19880720
NO 173998	B	19931122			
NO 173998	C	19940302			
FI 8902454	A	19890519	FI 1989-2454 <--		19890519
US 5215974	A	19930601	US 1991-654394 <--		19910208
LV 10954	B	19960820	LV 1993-1371 <--		19931223
LT 3810	B	19960325	LT 1993-1685 <--		19931228
PRIORITY APPLN. INFO.:			SE 1986-4998 <--	A	19861121
			SE 1986-5551 <--	A	19861223
			SE 1987-4049 <--	A	19871016
			EP 1987-850362 <--	A	19871120
			WO 1987-SE546 <--	A	19871120
			US 1988-199263 <--	B2	19880518
			US 1989-297606 <--	B1	19890113
			US 1989-380040 <--	B1	19891010

OTHER SOURCE(S): CASREACT 110:57664; MARPAT 110:57664
ED Entered STN: 17 Feb 1989
GI



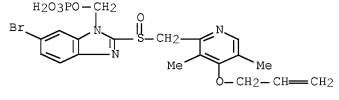
I

AB The title compds. I [X = S, SO; R1 - R4 = H, C1-8 alkyl, C1-8 alkoxy, alkoxyalkyl, halo, CN, CF3, NO2, etc.; R1R2, R2R3, R3R4 may form (satd. substituted heteroatom-contg. rings); R5 = H, C1-4 alkyl, R6 = H, C1-8 alkyl, C1-8 alkoxy, halo; R7 = H, C1-7 alkyl, C1-7 alkoxy; etc.; R8 = H, C1-8 alkyl, C1-8 alkoxy, halo, etc.; or R6R7 or R7R8 together with the adjacent C atoms in the pyridine ring may form a (satd. O, S, N-contg. ring); Z = OP(:O)(OH)OnR9, OP(:O)(OH)OP(:O)(OH)OnR9, etc.; n = 0 or 1; R9 = H, C1-6 alkyl, etc.], useful as antiulcer agents, were prepd. Pure 1-chloromethyl-6-methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole and the mono-triethylammonium salt of phosphoric acid monoethyl ester in CH2Cl2 contg. Et3N were mixed together. The solvent was evapd. and the residue was heated at 60.degree. for 5 min. CH2Cl2 was added, distd. off, and the product heated again at 60.degree.. This procedure was repeated 4 times until the reaction was completed. The crude product was purified to give 26% I [X = SO, R1, R2, R4, R5 = H, R3 = R7 = OMe, R6 = R8 = Me, Z = OP(:O)(ONa)OEt] (II). At 1 .mu.mol/kg (administered via the duodenal fistula), II inhibited histamine-induced gastric secretion in dogs by 97%. A syrup contg. sucrose 30, saccharin 0.6, EtOH 5, and II 1, flavoring material 0.05 g, and H2O to 100 mL was prepd.

IT 118381-67-2P
(prepn. of, as antiulcer agent)

RN 118381-67-2 HCAPLUS

CN 1H-Benzimidazole-1-methanol, 6-bromo-2-[[[3,5-dimethyl-4-(2-propenyloxy)-2-pyridinyl]methyl]sulfinyl]-, dihydrogen phosphate (ester), sodium salt (9CI) (CA INDEX NAME)



●x Na

IPCI C07D0401-12 [ICM,4]; A61K0031-415 [ICS,4]

IPCR C07D0401-12 [I,A]; A61K0031-415 [I,A]; A61K0031-4184 [I,A]; A61K0031-44 [I,A]; A61K0031-4427 [I,A]; A61K0031-675 [I,A]; A61P0001-04 [I,A]; A61P0043-00 [I,A]; C07D0401-14 [I,A]; C07D0453-02 [I,A]; C07F0009-6558 [I,A]

CC 28-9 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 63

IT 118293-04-2P 118293-30-4P 118293-38-2P 118308-64-8P
118308-65-9P 118308-66-0P 118308-67-1P 118308-68-2P
118308-69-3P 118308-70-6P 118308-73-9P 118308-74-0P
118308-75-1P 118308-76-2P 118308-77-3P 118308-78-4P
118308-79-5P 118381-57-0P 118381-58-1P 118381-59-2P
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118381-76-3P 118381-77-4P 118381-78-5P 118381-79-6P

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118381-84-3P 118381-86-5P 118381-87-6P 118381-88-7P
118381-89-8P 118381-90-1P 118381-91-2P 118381-92-3P
118381-93-4P 118381-94-5P 118381-95-6P 118381-96-7P
118381-97-8P 118381-98-9P 118381-99-0P 118382-00-6P
118382-01-7P 118382-02-8P 118382-03-9P 118382-04-0P
118402-37-2P 118402-38-3P 118402-39-4P 118402-40-7P
118402-41-8P
(prepn. of, as antiulcer agent)

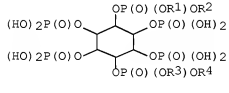
OS.CITING REF COUNT: 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (51 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 39 OF 39 HCAPLUS COPYRIGHT 2012 ACS on STN
ACCESSION NUMBER: 1981:90388 HCAPLUS Full-text
DOCUMENT NUMBER: 94:90388
ORIGINAL REFERENCE NO.: 94:14641a,14644a
TITLE: Dental cements
PATENT ASSIGNEE(S): Lion Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55139311	A	19801031	JP 1979-47074 <--	19790417
JP 62057601	B	19871202		

PRIORITY APPLN. INFO.: JP 1979-47074 A 19790417 <--

ED Entered STN: 12 May 1984
GI



I

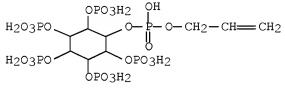
AB Dental cements comprise: (1) reagent A contg. phytic acid [83-86-3] or derivs. (I) (R1, R2, R3, R4 = substituted or nonsubstituted C1-12 alkyl and allyl, or H) and, (2) reagent B contg. alkali metal salts. Reagent A and reagent B are mixed in the presence of H2O for hardening. The cements can be used as fillings. For example, reagent A contg. 50% phytic acid and 40% penta-Na phytate [62989-51-9]

and reagent B contg. silica 30, alumina 18, CaF2 34, AlF3 6 and AlPO4 12 parts were prepd.

IT 76653-86-6
(dental cements contg. alkali metal salts and)

RN 76653-86-6 HCAPLUS

CN D-myo-Inositol, 1,2,4,5,6-pentakis(dihydrogen phosphate) 3-(2-propenyl hydrogen phosphate) (9CI) (CA INDEX NAME)



IPCI A61K0006-08
IPCR A61K0006-06 [I,A]; A61K0006-08 [I,A]
CC 63-7 (Pharmaceuticals)
IT 83-86-3 62989-51-9 76653-86-6
(dental cements contg. alkali metal salts and)

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=> d his nofile

     (FILE 'HOME' ENTERED AT 08:35:19 ON 13 APR 2012)

     FILE 'HCAPLUS' ENTERED AT 08:35:32 ON 13 APR 2012
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                 SEL RN

     FILE 'REGISTRY' ENTERED AT 08:35:53 ON 13 APR 2012
L2            12 SEA SPE=ON  ABB=ON  PLU=ON  (10025-87-3/BI OR 10029-04-6/BI
                  OR 107-21-1/BI OR 112-47-0/BI OR 17435-77-7/BI OR
                 752234-97-2/BI OR 752234-98-3/BI OR 752234-99-4/BI OR
                 752235-00-0/BI OR 855894-56-3/BI OR 855894-57-4/BI OR
                 855894-58-5/BI)
L3               STR
L4            50 SEA SSS SAM L3
L5               STR L3
L6            50 SEA SSS SAM L5
L7         28963 SEA SSS FUL L5
L8             5 SEA SPE=ON  ABB=ON  PLU=ON  L7 AND L2
L9             7 SEA SPE=ON  ABB=ON  PLU=ON  L2 NOT L8
                 SAV L7 TEMP SAS747/A
L10              STR
L11           32 SEA SUB=L7 SSS SAM L10
L12          797 SEA SUB=L7 SSS FUL L10
L13          244 SEA SPE=ON  ABB=ON  PLU=ON  L12 AND PMS/CI
L14            2 SEA SPE=ON  ABB=ON  PLU=ON  L13 AND L2
L15            5 SEA SPE=ON  ABB=ON  PLU=ON  L12 AND L2
                 SAV L12 TEMP SAS747A/A
L16              STR
L17           50 SEA SUB=L7 SSS SAM L16
L18        13442 SEA SUB=L7 SSS FUL L16
L19            2 SEA SPE=ON  ABB=ON  PLU=ON  L18 AND L2
                 SAV L18 TEMP SAS747B/A
L20           14 SEA SPE=ON  ABB=ON  PLU=ON  L12 AND L18

     FILE 'HCAPLUS' ENTERED AT 10:08:13 ON 13 APR 2012
L21            8 SEA SPE=ON  ABB=ON  PLU=ON  L20
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L23        13991 SEA SPE=ON  ABB=ON  PLU=ON  L18
L24            1 SEA SPE=ON  ABB=ON  PLU=ON  L22 AND L1
L25           58 SEA SPE=ON  ABB=ON  PLU=ON  L22 AND PHARM?/SC,SX
L26           44 SEA SPE=ON  ABB=ON  PLU=ON  L25 AND (1802-2003)/PRY,AY,PY
L27           37 SEA SPE=ON  ABB=ON  PLU=ON  L22 AND L23
L28           20 SEA SPE=ON  ABB=ON  PLU=ON  L27 AND (1802-2003)/PRY,AY,PY
L29            2 SEA SPE=ON  ABB=ON  PLU=ON  L21 AND (1802-2003)/PRY,AY,PY
L30           20 SEA SPE=ON  ABB=ON  PLU=ON  L28 OR L29
L31              QUE SPE=ON  ABB=ON  PLU=ON  DENTAL?(5A)(ADHES? OR SEAL? OR
                 MATERIAL? OR GLUE? OR BOND)
L32           80 SEA SPE=ON  ABB=ON  PLU=ON  L23 AND L31

     FILE 'REGISTRY' ENTERED AT 10:26:55 ON 13 APR 2012
L33              STR L10
L34            0 SEA SUB=L12 SSS SAM L33
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L35          24 SEA SUB=L12 SSS FUL L33
L36           5 SEA SPE=ON  ABB=ON  PLU=ON  L35 AND L2
                SAV L35 SAS747C/A

     FILE 'HCAPLUS' ENTERED AT 10:30:25 ON 13 APR 2012
L37           8 SEA SPE=ON  ABB=ON  PLU=ON  L35
L38           3 SEA SPE=ON  ABB=ON  PLU=ON  L37 AND (1802-2003)/PRY,AY,PY
L39          19 SEA SPE=ON  ABB=ON  PLU=ON  L30 NOT L38

     FILE 'REGISTRY' ENTERED AT 10:59:55 ON 13 APR 2012
L40             STR L33
L41           4 SEA SUB=L12 SSS SAM L40
L42         112 SEA SUB=L12 SSS FUL L40
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     FILE 'HCAPLUS' ENTERED AT 11:01:34 ON 13 APR 2012
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L44           5 SEA SPE=ON  ABB=ON  PLU=ON  L43 AND L26
L45          15 SEA SPE=ON  ABB=ON  PLU=ON  L43 AND (1802-2003)/PRY,AY,PY
L46          54 SEA SPE=ON  ABB=ON  PLU=ON  L45 OR L26
L47          48 SEA SPE=ON  ABB=ON  PLU=ON  L46 NOT (38 OR L39)
L48          39 SEA SPE=ON  ABB=ON  PLU=ON  L47 AND PHARM?/SC,SX
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